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U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

INSTRUCTIONS

FOR

PREPARING METEOROLOGICAL FORMS.

CLIMATOLOGICAL DIVISION.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1931.

INSTRUCTIONS

FOR

PREPARING METEOROLOGICAL FORMS.

CLIMATOLOGICAL DIVISION.

1. Meteorological Forms, when Mailed.—Forms No. 1001, No. 1015, No. 1017, No. 1028, No. 1068, No. 1072, No. 1073, No. 1074, No. 1075, and No. 1083, not later than the 10th; Form No. 1030, 1st, except when that date falls on Sunday it will be issued on the 2d; Forms No. 1002 and No. 1003, as soon as the correction letter for December Form No. 1001 is received.

2. When any form can not be mailed on the prescribed date, an explanation of the cause of delay will be forwarded to the Central Office on the day that it should have been mailed.

3. The barograph and thermograph traces, and Forms No. 1015, No. 1017, and No. 1028 will include the record for the last day of the month.

4. It is the policy of the Central Office not to surrender custody of any form that can not be duplicated after it has been received. The official in charge is therefore enjoined to see to it that all data required are extracted before such forms are mailed.

5. In forwarding the above-named forms to the Central Office write on the lower left-hand corner of the envelope, "Forms for Climatological Division."

6. In preparing Forms No. 1001, No. 1015, No. 1017, No. 1028, No. 1083, and barograph and thermograph trace sheets for mailing, the sheets will be arranged chronologically and fastened together with a Dennison or similar paper fastener.

7. Errors will be charged as follows: (1) Each original correction made in the examination will be counted as one error, but supplementary errors resulting from the original entry will not be charged. (2) A failure to comply with any instructions will be counted as one error when it has been clearly shown that such instructions have been received at the station. (3) If an observer has been charged with an error for failure to comply with any instructions, and again fails to do so on forms for succeeding months, he will be charged with an error for each erroneous entry in the form caused by his disregard for the instructions in question. (4) Errors of omission will be counted in the same manner as errors of commission.

8. An original error made in taking, reducing, or recording an observation, or in transcribing data from Form No. 1083, will be charged equally between the person taking the observation and the one who checks the data (one-half to each).

9. Officials in charge may assign an assistant of ability and trustworthiness to be responsible for the accuracy of Form No. 1001 in so far as relates to all matters of copying, compiling, computing, etc., but in all questions of judgment, where it is necessary to put a construction upon an order, ruling, etc., the matter will be decided by the official in charge.

10. Any assistant may be responsible for pages 4, 5, 6, 7, 11, and 13, of Form No. 1001, and Forms No. 1002 and No. 1003. This will give a careful assistant opportunity to make a record for accuracy, besides relieving the official in charge to some extent. The official in charge of the station, however, must continue to exercise general supervision over the meteorological work of his assistants, examining and checking it as frequently as may be necessary, and will be held jointly responsible with them for the general appearance and accuracy of all forms. He also will be held directly responsible for errors that can be detected by a cursory examination, and if the number of errors made at his station be unduly large it will be considered evidence that he is not giving proper attention to this duty, and he will be censured conjointly with the assistant or assistants making the errors. Minor observers and student assistants will not be held responsible for any meteorological form without special permission.

11. The assistant preparing Form No. 1001 under the provisions of paragraph 9 will sign his name in the lower left-hand margin of page 9; those preparing pages 4, 5, 6, 7, 11, or 13 will sign on the lower left-hand margin of said pages.

12. Two persons will not sign as responsible for a page or form, except in case of sickness, absence, or relief from station, and then it will be stated for what portion each one is responsible.

13. An official relieved from charge of station or responsibility for forms will be held accountable for errors up to, but not including, the date of his relief. When so relieved he must plainly indicate on the forms the dates of his accountability.

14. Ditto marks (") will not be used in any form.

15. The station clock will be kept adjusted to the standard of time in local use.

16. All observations, with the exception of the 12 noon local mean time observation, will be taken on 75th meridian time, but the standard of time in local use will also be entered.

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17. All instrumental records will be kept on the standard of time in local use.

18. All data on pages 2 and 3 of Form No. 1001, except days with light and dense fog, and the corresponding data on page 9, and all data on page 10, will be recorded in 75th meridian time. All other data, with the exception of the 12 noon local mean time observation, will be recorded in the standard of time in local use. Data on Form No. 1014, and the notes on Form No. 1083, unless otherwise noted, will be in the standard of time in local use.

FORM No. 4012, MIS.

19. Whenever an employee has reason to think that he has been wrongfully charged with errors, the correction letter will be returned at once, by indorsement, requesting a reexamination and stating what error or errors should not, in his opinion, be charged, with his reasons therefor. The matter will receive prompt and careful consideration, and should it be found that errors have been improperly charged they will be removed. If the errors charged are accepted, the letter will invariably be signed by the person or persons whose names appear in the body of the letter; in case of absence of the employee who is responsible for the accuracy of the data, it will be signed by the official in charge and forwarded to the one to whom the error or errors have been charged, to be noted by him. The error letter will be returned to the Central Office through the section center. Employees are enjoined to see to it that all corrections indicated and all resulting changes are made in Forms No. 1001, No. 1002, and No. 1014, and the Climatological Record. The carbon copy of the letter which accompanies it will be filed as a letter received.

FORM No. 1001.

20. This form will be kept clean, and all entries therein made in a neat, legible hand. The leaves should be separated for convenience in entering the data, but margins must not be trimmed.

21. Whenever, from any cause, an observation is not taken the reason therefor will be plainly written on the margin and a full report of the facts at once made to the Chief of the Weather Bureau.

22. If an observation has been taken late, it will be recorded in brackets with the exact time at which it was taken and used in computing all means and averages the same as if taken on schedule time, unless the conditions have changed since the time for the observation, in which case the probable conditions at the proper time of observation will be determined from the recording instruments by interpolation. These interpolated values will be entered in red ink above the late readings and used in all means and deductions.

23. An observer may be occasionally prevented by legitimate causes from taking an observation on time, but in such a case the observation will be taken as soon as possible and recorded as of the time at which it was actually taken and disposed of as provided in paragraph 22, and a full report of the facts at once made to the Chief of the Weather Bureau. This report will always receive proper consideration.

24. An observer guilty of falsifying the record by reporting observations as taken at prescribed hours which were not actually so taken, or in any other manner whatsoever, will be summarily and severely dealt with, regardless of previous record or length of service.

25. All observations entered on Form No. 1083 will be immediately copied in the proper spaces in Form No. 1001. The retained record will contain pages 2, 3, 8 (except beginnings and endings of precipitation), 9, 10, and 13, and must be kept up to date. All footings on pages 4, 5, 7, and 11 of Form No. 1001 that are required to be entered in Form No. 1002 will be copied in the retained Form No. 1002 before mailing Form No. 1001.

26. The observation will be begun 20 minutes before 8 o'clock, 75th meridian time. The cipher report should be filed at the telegraph office at 8 a. m. or p. m., 75th meridian time. The 12 noon local mean time observation will be begun exactly at that hour.

27. Instruments will be read and conditions noted in the following order: (1) Clouds, (2) state of weather, (3) maximum and minimum thermometers, (4) dry and wet thermometers (and thermograph noted), (5) anemoscope, (6) rain gage (or snow gage), (7) register to anemometer, (8) attached thermometer to barometer, (9) barometer (and barograph noted).

28. All entries in this form must be made in black record ink except when otherwise directed. Red ink will not be used except in underscoring and when specially directed (see pars. 22, 59, 69, 91, and 221). On Forms No. 1001 and No. 1083 erroneous entries in columns for original readings should have an ink line drawn through them. The obliteration of any entry in columns for original readings on Forms No. 1001 and No. 1083 is prohibited.

29. Entries of direction of wind and clouds will be printed thus: N., NE., E., etc.

30. When crowded for room, notes will be put upon the margin.

31. Instructions relative to taking special observations are given in the Weather Code.

32. All meteorological observations taken will be checked, so far as possible, the following day by the employee responsible for their accuracy.

33. The day of the week on which the month begins will be entered on the left-hand margin of page 8, opposite the first date.

PRESSURE.

34. Actual Elevation.—The height of the zero points of the barometers of a station above sea level. The elevations of instruments will be entered to whole feet on *all meteorological forms*, except Form No. 1058, when these data are required.

35. Station Elevation.—The elevation above sea level adopted for a station as a basis to which all pressure observations at the station are correlated. The elevation on January 1, 1900, was adopted as the station elevation for each one in operation on that date. For stations opened subsequently, the elevation of the barometer at the time of opening of station will be adopted as the station elevation.

36. Removal Correction.—When an office is moved to new quarters and the elevation of the barometer is thereby changed, a proper correction will be applied to the barometric readings in the new location that will reduce the observed readings to the pressure appropriate to the "station elevation." This removal correction will be included in the sum of corrections, Form No. 1059, furnished by the Instrument Division.

37. Sum of Corrections.—A term embracing all the corrections that are practically constant for a given instrument and in a given location, namely, the correction for scale errors, capillarity, gravity, and the removal correction. This sum is given on Form No. 1059, furnished for each instrument.

38. Total Correction.—The correction for temperature, plus the "sum of corrections" as defined above.

39. Observed Reading.—The direct result of the reading of an instrument, uncorrected for any errors.

40. The barometer should be read and recorded to the nearest thousandth of an inch, and the reading will be immediately entered on Form No. 1083 before the reductions are made.

41. Station Pressure.—Corrections for instrumental error, gravity, temperature, and removal, preceded by the proper algebraic signs, will be applied to the observed barometer readings. The correction for temperature will be obtained from the barometer correction cards, as follows: Find at the top of the card the observed height of the barometer, and in the column headed "Attached thermometer" the reading of the attached thermometer; the number at the intersection of these lines will be the correction to be applied. If the reading of the thermometer be less than 29° above zero, the correction will be added, and if 29° or more it will be subtracted. For barometer or attached thermometer readings not given in the table the temperature correction will be determined by interpolation. The sum of corrections for instrumental error, gravity, and removal will be applied to the correction for temperature before recording the latter. Example: Observed barometer reading, 29.512; attached thermometer, 62.0; sum of corrections, + .008. The temperature correction card gives a correction of − .089, to which add the sum of correction +.008 = −.081 to be used and recorded in column headed "Total correction."

42. If the position of the barometer be changed and the elevation increased, .001 inch will be added to the sum of corrections for each foot of increase; if the elevation be decreased, .001 will be subtracted for each foot of decrease. These corrections will be applied pending the receipt of new correction cards.

43. Reduced Pressure.—The reduced barometer will be taken directly from the special table supplied to each station and will be entered to hundredths only. The temperature argument, at stations making two observations daily, will be the mean of the current temperature and that at the preceding regular observation; at stations making but one observation daily it will be the mean of the current temperature and the corrected thermograph reading 12 hours previous. The pressure argument will be the station pressure to hundredths of an inch only (the third decimal being disposed of according to rule). Enter the table with the arguments as above described and find the point where the argument lines intersect; the value there given will be the reduced pressure. It will be necessary to interpolate for the hundredths when the station pressure falls between the tenths of an inch as given at the top of the table. No interpolation will be required for temperature argument if the table be extended so that for each temperature entered there is a difference of only one hundredth in the table. The temperature argument for a special observation will be the mean of that and the corrected thermograph reading 12 hours previous to the time of the special.

TEMPERATURE.

45. All thermometers must be read and the readings recorded to the nearest tenth of a degree, except the attached thermometer, which will be read and recorded to the nearest half degree.

47. Instrumental corrections will not be applied to thermometer readings except when they are ± 0.3 or more in the case of mercurial thermometers, and ± 0.5 or more in the case of minimum or alcohol thermometers, except when the temperature is 42° or lower; and except when the wet thermometer reads higher than the dry, then all corrections will be applied to the readings of the dry and wet bulb thermometers. The corrections furnished are for each 10°, and will be applied algebraically to the scale readings of the thermometers before recording the same. For a scale reading between those for which corrections are given, an interpolated value of the correction will be used. Example: For a reading of 62.0° the correction is −0.5°. The true temperature is, therefore, 62.0° −0.5°=61.5°. For a reading of −8.0° the correction is −1.2°, the true temperature is −8.0° −1.2°= −9.2°. For a reading of −28.0° the correction is +7.8°, the true temperature is −28.0° +7.8°= −20.2°. The corrections of thermometers are given on the cards only as low as actual comparisons have been made with substandards. If it should happen that a reading of a thermometer is obtained at a point lower than any for which its corrections are given, then the corrections will be determined by continuing the same ratio of increase or decrease as between the last 30° for which the corrections are given. Example: The correction at +2° is −0.6°, and at −28.0° is −2°. The change of correction between +2° and −28° is −1.4°. For 7° it is about −0.3°. For a scale reading of −35.0°, which is 7° below −28.0°, the correction is −2.3°, and the true temperature is −35.0° −2.3°= −37.3°. When the signs of the temperature and the correction are the same, add; when different, subtract.

48. The maximum and minimum thermometers will be set both at the a. m. and p. m. regular observations. They will not be set when taking special observations.

49. Observers should always note whether there is agreement in the temperature values given by the several thermometers; that is to say, (1) the top of the alcohol column of the minimum should indicate the same or nearly the same temperature as shown by the dry thermometer; (2) the minimum thermometer readings should be as low as, or lower than, the dry thermometer at the current and preceding observations; (3) the maximum thermometer reading should be as high as, or higher than, the dry thermometer at the current and preceding observations. Readings contrary to the above rules, if the instruments are properly set and read, are abnormal, and steps will be taken at once to discover and remove the cause or replace the instrument if defective. Small differences, however, amounting in some cases to nearly or quite a degree, will occasionally be found to occur. On such occasions the exact readings must be recorded, with an explanatory note.

50. The wet thermometer should always be kept in proper condition, the bulb and muslin cover clean and carefully moistened preceding each observation. In damp, foggy weather it may sometimes read higher than the dry thermometer after all instrumental corrections have been applied, in which case enter the corrected reading of the instrument, but inclose it in brackets, and enter the corrected reading of the dry thermometer above it and use the latter in obtaining the footings; record the reading of the dry bulb as the temperature of the dew-point, and the relative humidity as 100 per cent, with an explanatory note on the margin.

51. When the temperature of the air is below that at which mercury freezes, the temperature as indicated at the top of the alcohol column of the minimum thermometer will be entered as the readings of the dry and wet

bulb thermometers, and also as that of the dew-point, and the relative humidity will be recorded as 100 per cent.

During the prevalence of low temperature, but above the freezing point of mercury, the wet bulb covering should be saturated a few minutes before beginning the observation; and whenever, after diligent effort, it is found impossible to cause the wet thermometer to read as low as, or lower than, the dry thermometer after applying all corrections—any incidental moisture on the dry bulb being removed—the reading of the wet thermometer will be recorded as corrected and inclosed in brackets, and the reading of the dry thermometer entered above it and used in obtaining sums and means. The dry thermometer reading will be recorded as the temperature of the dew-point, and the relative humidity as 100 per cent. Explanatory notes should indicate when these conditions occur.

52. The dew-point, relative humidity, and vapor pressure will be obtained in accordance with the tables furnished; the dew-point will be entered to the nearest whole degree, the relative humidity to the nearest whole per cent, and the vapor pressure to the nearest thousandth of an inch.

53. All daily temperature values on page 8 will be entered in whole degrees only, the tenths of degrees being disposed of according to rule.

54. At stations having a thermograph the maximum and minimum temperatures on page 8 will be taken from the maximum and minimum thermometer readings on pages 2 and 3 (see paragraphs 55 and 56) except when the true maximum or minimum for the day, midnight to midnight, can not thus be obtained, in which event it will be obtained from the corrected thermograph trace (see paragraph 219). At stations not having a thermograph the maximum and minimum will be obtained in accordance with paragraphs 55 and 56.

55. The maximum temperature for the day will be taken from the p. m. observation, except under the following conditions: (1) The maximum temperature recorded at the a. m. observation of the next day will be used when it is higher than the maximum at the p. m. observation and is believed to have occurred before midnight; (2) the maximum temperature recorded at the preceding a. m. observation will be used when it is believed to have occurred after midnight and is higher than any temperature recorded after the a. m. observation of that day. The maximum of any day must be as high as the minimum of the preceding day.

56. The minimum temperature for the day will be taken from the a. m. observation, except under the following conditions: (1) When a lower minimum is recorded at the p. m. observation, it will be used; (2) when the minimum recorded at the following a. m. observation is lower than that recorded during the preceding day, and is believed to have occurred before midnight, it will be used; (3) when the minimum recorded at the a. m. observation of the current day is believed to have occurred before midnight the minimum temperature for the day will be taken from the p. m. observation, unless example (2) requires it to be taken from the following a. m. observation. The range is the difference between the maximum and minimum.

57. The mean (max. and min.) temperature for the day is the sum of the maximum and minimum (as recorded on page 8) divided by 2, and will be recorded to whole degrees only, the tenths being disposed of according to rule. This mean will be used on all forms and reports as the daily mean temperature.

58. The change of temperature is the difference between the mean temperature of the previous and that of the current day.

59. Hourly Readings.—At stations designated by the Central Office the hourly readings of the thermograph, at the exact hour, after being corrected for instrumental error in accordance with instructions, will be entered in black ink on page 5 in whole numbers. The readings at 8 a. m. and 8 p. m., 75th meridian time, and at all other hours at which eye readings are made of the dry thermometer, when they correspond to an exact hour, standard of time in local use, will be entered in the proper hours, and in the same hour column will be written, in red ink, with its appropriate sign, the correction for the self-registering instrument (see paragraphs 212 and 217–222). All eye readings at hours other than 8 a. m. and 8 p. m., 75th meridian time, will be underscored in red ink.

60. In case the register fails to record for a portion of the day, the missing data should be supplied by interpolation; the data thus obtained will be connected by an asterisk to an explanatory note on the margin of the form.

61. Only data for whole days will be used in obtaining sums and means.

62. Footings.—The sums and means will be determined from the data entered in accordance with the foregoing instructions, the means being recorded to tenths.

63. Average Hourly Readings.—The mean of the column headed "Sum" will be obtained by dividing the total sum by the number of hours in the month.

64. Page 4 will be prepared at all stations where an automatic record of sunshine is made, except at those that have been authorized not to do so. The character of the day and average cloudiness will be entered at all stations.

65. With the exception mentioned in paragraph 71, the actual time sunshine as recorded during each hour will be entered to the nearest tenth of an hour in the appropriate columns under heading "Sunshine recorded during hours ending" (4 a. m. to 9 p. m., standard of time in local use).

66. The "Character of sunrise and sunset" will be recorded as clear, cloudy, foggy, hazy, or smoky, depending upon whether the sun was visible or obscured at the time of sunrise or sunset. When the character of sunrise or sunset is cloudy, foggy, hazy, or smoky the time these conditions obtained will be deducted from the full possible twilight correction.

67. It is not intended that observers shall go on duty at unreasonably early hours in order that the character of sunrise may be determined, but it is believed that, without much inconvenience, sufficiently accurate data can be obtained by noticing the character of weather immediately upon rising and by inquiry of persons who may have occasion to be up at time of sunrise.

68. The "Twilight correction" will be the difference between the time of sunrise for the latitude of station (as shown by Sunshine Table, Edition 1905) and the time at which the sunshine record began, and the difference between the time the sunshine record ended and the time of sunset (shown by table), provided the sky was clear during both these periods. If there were clouds, fog, etc., on the horizon sufficient to obscure the sun, either morning or evening, the time the sun was obscured should be deducted from the correction, as determined above.

69. The twilight correction will be apportioned among the morning and evening hours during which the sun shone and the register failed to record. The amount which belongs to each hour will be entered in red ink to the left of and above the entry of the amount of recorded sunshine. The twi-

light correction thus entered will be included in the sums entered at the bottom of the page.

70. Under "Hours of sunshine" the column headed "Total" will be the total recorded, including twilight correction. The "Possible hours of sunshine," recorded in the succeeding column, will be computed from the time of sunrise and sunset, as previously taken from Sunshine Table, Edition 1905.

71. In order that the first and last of the monthly "sums" under "hours ending" shall not be discordant with the "divisors" employed at the end of the month, the first and last fractional proportions of the "twilight correction" will be recorded each day to the nearest hundredth of an hour, provided the sun when at the horizon was not obscured; all other entries will be to the nearest tenth.

72. The "Percentage of possible hours of sunshine" will be obtained by dividing the total for each day (total recorded, plus twilight correction), multiplied by 100, by the "Possible" for the same date.

73. The daily sunshine percentage may, at the option of the official in charge, be entered on the right-hand margin of page 8, retained Form 1001.

74. The "Percentage of possible for each hour" will be determined by dividing the "Sums," multiplied by 100, by the number of hours of possible sunshine for the entire month, during the hour indicated by the heading of the column. Except for the hours ending shortly after sunrise or sunset the "Hours of possible sunshine" will be the same number as there are days in the month. The divisors to be used for the hours ending shortly after sunrise and sunset are given in Sunshine Table, Edition 1905. The "Percentage of possible" for the month will be determined by dividing the sum of column headed "Total," multiplied by 100, by the "Possible" for the month. The possible hours for the month is not always the sum of the daily totals. (See paragraph 28, Circular G.)

75. All percentages will be recorded to the nearest whole per cent.

76. If at any time, the amount of sunshine recorded by the instrument is known to be incorrect, either because the instrument fails to record when the sun is faintly obscured by thin haze, cloud, light fog, or light smoke, or because it continues to record for moderate cloudiness which obscures the disk of the sun, the true amount, as determined by eye observations, will be entered in the proper hour spaces in black ink and an explanatory note made on the margin of the form and on the original record sheets. A slight readjustment of the angle of inclination of the glass tube will eliminate imperfect results of this character with the electrical sunshine recorder.

77. No twilight corrections for the first and last hours will be entered under the conditions given in paragraph 76, but the record for the entire time will be in black ink, and the entries for the fractional hours will be recorded to hundredths.

78. When hills, trees, or buildings in easterly and westerly directions cause the actual times of sunrise and sunset to differ from those in the table, the observer will note, about the 15th of each month, or oftener if the horizon is very irregular, the time of actual sunrise and sunset, for the center of the sun's disk, and note those observations on the margin of the page.

WIND.

79. The current velocity, and maximum velocity since last observation, will be obtained in accordance with paragraphs 176–179. When the anemometer cups are not moving at the time of observation the wind will be recorded as calm, whether or not 1 or more than 1 mile has been recorded during the last hour; if the cups are moving, a velocity of 1 mile or more will be recorded. The maximum velocity will be entered on pages 2 and 3 only when it equals or exceeds the verifying velocity at stations on the Atlantic, Pacific, and Gulf coasts, and on the Great Lakes; at all other stations when it equals or exceeds 33 miles per hour. Where but one observation is taken daily, enter the prescribed velocity for the twelve hours preceding the observation and omit entry for the succeeding twelve hours.

80. The maximum velocity must always be equal to or greater than the current velocity, and will have but one direction recorded therewith.

81. The current velocity will be the reading at the time of taking the observation, i. e., between 7.40 and 8 o'clock, 75th meridian time. The maximum velocity will be the highest velocity for a five-minute period during the twelve hours preceding the regular observation.

82. Whenever there is a break in the record, enter note with the maximum velocity for each twelve hours, and for the day, stating the time for which they are a record.

83. The total movement for the twenty-four hours ending at 12 midnight will be used as the total daily movement.

84. The prevailing direction of the wind for each hour will be entered in the hour spaces, page 6. Only one entry will be made as the prevailing direction for any single hour. If two or more directions are recorded an equal number of times on Form 1017, consider the directions adjacent to the hour in determining the direction to be entered as prevailing. When the wind movement for any hour is entered as "0" the direction for that hour will also be "0."

85. The prevailing direction for the day, and for the hour as recorded at the foot of page 6, is the direction or directions which appear most frequently in the respective line and column.

86. The direction recorded the greatest number of times during the month will be considered and entered as the prevailing direction for that period. If two or more directions occur an equal number of times, consider the adjacent directions in determining the prevailing direction for the month. Only one direction will be entered.

87. Hourly Wind Movement.—The number of miles of wind recorded each hour will be entered for each day on page 7.

88. In counting the number of miles of wind for each hour the closing of the circuit should be counted as the mile and should be given to the hour in which the circuit closed.

89. The record for each day on pages 6 and 7 must be completed on the day following that for which the entries are made, or as soon thereafter as practicable, and the total for each day compared with the total from midnight to midnight, for the same period of time, entered on the face of the wind sheet.

90. The average hourly velocity will be obtained by dividing the total movement by the number of hours in the month.

91. The maximum velocity during the hour will be entered in red ink in the upper left-hand corner of the hour space each hour that the maximum velocity exceeds the limit fixed by the official in charge, for entry in Form No. 1014 (see par. 165). This velocity will be entered in the space provided at the top of the page.

92. At specially designated stations the number of miles and the length of time from each wind direction will be compiled from the data entered on pages 6 and 7, Form 1001. The number of miles for each particular hour will be credited to the prevailing wind direction for that hour.

Example.

On the 1st: Prevailing wind direction for each hour to 12 noon, W.
Total wind movement to 12 noon, 196.
Prevailing wind direction for each hour, 12 noon to mid., NW.
Total wind movement, 12 noon to midnight, 248

The record for the 1st: W., 196 miles in 12 hours.
NW., 248 miles in 12 hours.

The sum of the percentages of time from the eight directions should be 100. When this sum is more than 100, deduct 1 per cent from one, or more, of the percentages which was increased most in discarding the decimals, to reduce the sum to 100. Likewise, when the sum is less than 100, add 1 per cent to one, or more, of the percentages according to a similar rule. The same rules apply to the percentage of miles.

CLOUDS.

93. Entries of clouds will be printed thus: Ci., Ci.St., Ci.Cu., A.Cu., A.St., St.Cu., Nb., Cu., Cu.Nb., St., Fr.Cu., Fr.St.

94. The amount of clouds will be recorded on a scale of zero (0) to ten (10). When shreds of clouds are observed below a complete cloud cover, the total amount of clouds may exceed 10. Example: 10 St.NW., Few Fr.St.SW. If no clouds are visible, record zero (0); less than one-tenth, record "Few"; less than two-tenths and not less than one-tenth, record 1, etc. Absence of movement will be indicated by the figure zero (0) in the space for direction; and when there is doubt as to kind and direction, a query mark (?) will be placed after the questionable record. The directions from which the clouds are moving will be recorded to eight points of the compass, as N., NE., E., etc.

95. Haze, smoke, dust, and fog will be recorded in tenths, and must be designated as dense or light. These amounts will not be considered in footing up the columns.

96. When dense haze, dense smoke, dense dust, or dense fog obscures eight-tenths or more of the sky and no other clouds are visible, the state of the weather will be recorded as "Hazy," "Smoky," "Dusty," or "Foggy." Otherwise the state of the weather will be determined by the proportion of visible sky covered with clouds, exclusive of haze, smoke, dust, or fog present.

98. Haze will not be given a direction. Fog, dust, and smoke can have a direction; when no movement is perceptible, record zero (0) in space for direction. The most frequent kind and direction of clouds, page 9, Form 1001, will be determined by the entries on pages 2, 3, and 11. Haze, fog, dust, and smoke will always be considered in determining the most frequent kind of clouds; and the direction of fog, dust, and smoke will be considered in determining the prevailing direction of clouds, but the amount of fog, dust, or smoke will not be considered in the sums and averages.

99. If there be two or more levels of clouds observed, invariably record the upper first and the lower immediately underneath in the space for clouds.

100. Clouds will be recorded according to their form without reference to the occurrence of precipitation. That is, if rain is falling from strato-cumulus clouds, record the clouds "St. Cu." and the state of weather "Light rain," etc. When precipitation is occurring with dense fog, in addition to the dense fog, record "10 Nb." and the direction the same as the wind. When precipitation is occurring in the distance, but not actually at the place of observation, an explanatory note will be entered and the state of the weather recorded in accordance with the conditions at the place of observation.

101. Observers should be careful not to record cumulus or strato-cumulus as cumulo-nimbus. It is seldom that more than a few tenths of cumulo-nimbus clouds are visible.

102. In the column "Average cloudiness," page 4, observers will record in whole numbers the average amount of clouds during the day (sunrise to sunset) on a scale of zero (0) to ten (10), as determined from frequent personal observations.

103. The "Character of day" will be determined from data in column headed "Average cloudiness"; zero to three, inclusive, record "Clear"; four to seven, "Partly cloudy"; eight to ten, "Cloudy."

PRECIPITATION.

104. The time of each beginning and ending of precipitation will be recorded; intervals of fifteen minutes or less between the time of ending and recommencement not being considered except near the time of an observation, when all beginnings and endings must be recorded.

105. When a thunderstorm occurs the international symbol for thunderstorm (⚡) will be entered on the right-hand margin of page 8 on each day, midnight to midnight, standard time in local use, on which thunder was heard.

106. The amount of rainfall will be determined by measuring with the "Measuring stick" the amount in the receiver of the rain gage; record as the amount one-tenth of the actual depth measured. After the receiver has been emptied the water in the overflow, if any, will be poured into the receiver, measured, and added to that found in the receiver. Precipitation of less than 0.005 of an inch will be recorded "T." When the p. m. observation is not taken, the amount of precipitation for that observation will be measured the same as if both observations were taken.

107. When there is danger of evaporation, the rainfall will be measured as soon as the rain ceases, and the water, if drawn off, will be returned to the gage. If the measurement at the next regular observation exceeds this one, it will be substituted therefor.

108. All precipitation entirely or partially in the form of sleet, snow, or hail will be melted, poured into the rain gage receiver, measured, and recorded in the same manner as rainfall. The measurement of precipitation in the form of snow is attended with much uncertainty, due to the action of the wind in drifting the snow and preventing it from entering the gage or blowing out a portion of the snow that has entered. If the observer has reason to believe that the amount collected in the snow gage is not the total snowfall since last observation, three measurements of the depth of snow will be made at different places and the mean of these measurements recorded as the actual depth of the snow. If it is impracticable to melt or weigh the snow, or the amount collected in the snow gage is not considered correct, one-tenth of the amount of snow in the gage or from measurements elsewhere, as the case may be, will be recorded as the amount of precipitation for that observation, with an explanatory note.

109. The following suggestions are given for the guidance of observers in the measurement of snowfall:

While one-tenth the depth is arbitrarily adopted as the water equivalent of snow, yet this is only coarsely approximate, and observers should always endeavor to determine the actual equivalent by one of the following methods:

First method.—Select a place where the snowfall is as little disturbed as possible and cut out a section with the snow gage, or 8-inch overflow of the rain gage, by sinking the

gage inverted through the snow and covering the mouth with a sheet of tin or thin board. The 8-inch cylindrical section of snow thus secured is then most conveniently measured by weighing, either in the gage itself, the weight of which is afterwards deducted, or after first emptying the snow into some smaller or lighter vessel. If this weight can be ascertained with an accuracy of within one-fourth of an ounce, the water equivalent will be given to the nearest hundredth of an inch by use of Table II—Paragraph 77, Circular A, 1903.

Second method.—If the snow is melted and measured in the measuring tube of the rain gage, care must be taken that loss does not occur by evaporation. Rapid melting must be avoided. The best results are obtained, not by melting directly, but by mixing a measured quantity of warm water with the snow and then measuring the slushy mixture, just as if the snow were all melted, deducting, of course, the amount of warm water added. Ten, or even five inches of warm water in the measuring tube are sufficient for effecting the measurement of a very considerable snowfall. Care must be taken in changing the snow or water from one vessel to another that portions of the precipitation are not lost.

110. When precipitation is occurring at the time of observation, or occurs between the taking of the observation and 8 o'clock, 75th meridian time, a check mark will be made on Form No. 1017 or No. 1028 to show the exact time of observation. The record for that hour as entered on the face of the above forms will include the amount between the check and the end of the hour, but under head of precipitation at time of the a. m. and p. m. observations on the above forms, as also similar headings on Forms No. 1001, No. 1014, and No. 1083, the entries will show the amounts recorded at the time the measurements were made.

111. Precipitation from fog, dew, or frost will not be recorded in this form. Absence of precipitation will be indicated by the figure zero (0).

112. All beginnings and endings of precipitation will be entered in chronological order on the dates on which they occur, beginning at the left-hand column. Only one entry will be made in each column when there are not more than four showers. A. m. and p. m. will be entered as "a" and "p," respectively. When time of beginning and ending is unknown it will be recorded as D. N. a. or D. N. p. (during night).

113. The depth of snowfall (maximum depth, less amount, if any, on ground before the period) during the preceding twenty-four hours will be entered each day in the column headed "Unmelted ..... p. m. to ..... p. m.," on page 8. If there are several separate snowfalls within the 24-hour period, each one of which melts before the following one occurs, the total fall for the 24-hour period will be the sum of the maximum depths for each fall.

114. Less than 0.05 inch of unmelted snow, and all snow which melts as it falls, will be recorded as "T," and in the case of the latter a marginal note "Melted as it fell" will be entered.

115. The total depth of unmelted snow on the ground each day at 8 p. m., 75th meridian time, by actual measurement (the means of three measurements when the snow is drifted), will be entered in the column headed "On the ground at ..... p. m.," page 8.

116. All unmelted snowfall will be recorded to inches and tenths, except as indicated in paragraph 114.

117. Enter under "Amount of precipitation from melted snow (midnight to midnight)" on page 8 the amount of precipitation from melted snow (estimated if unknown). When it is estimated, a marginal note should be entered stating the fact.

118. Care should be taken in determining the character of precipitation when in the form of sleet or hail.

Hail and sleet will not be entered in the columns for unmelted snow.

WEATHER.

119. The state of the weather will be determined and recorded with reference to the degree of cloudiness, and whether or not precipitation is falling or likely to fall soon; thus when the sky is three-tenths or less covered with clouds, record "Clear"; four to seven tenths, inclusive, "Partly cloudy"; eight to ten tenths, "Cloudy"; and "Misting," "Sprinkling," "Light rain," "Heavy rain," "Light snow," "Heavy snow," "Sleeting," "Hailing," "Threatening," and "Clearing" when these conditions exist (see paragraphs 96 and 104). When two or more kinds of precipitation are occurring at the time of observation all will be entered under the "State of weather." When light fog, light haze, or light smoke is observed with no clouds, the state of weather will be recorded as "Clear."

120. When a thunderstorm is prevailing at the moment of observation, or the rain is still falling, and thunder has been heard or lightning seen within the hour previous to the observation, the international symbol for thunderstorm will be entered after "State of weather."

FOOTINGS AND SUMMARY.

121. *a.* No data required.

b. Underscore in red ink maximum and minimum of the column.

c. Enter most frequent kind or direction, and when two or more directions or kinds are observed an equal number of times, all will be entered. Calm will not be considered in determining the most frequent direction of clouds.

f. On page 3, under "Fog," "Light," or "Dense," enter the time of beginning and ending on days when these conditions are observed at station, midnight to midnight, standard of time in local use. Enter on page 9 the dates of all days on which fog is observed. A dense fog is one that is dense enough to obscure objects at a distance of *one thousand feet.*

g. The monthly means of "Station pressure," "Reduced pressure," "Dew-point," "Humidity," "Vapor pressure," and "Temperature" (a. m. +p. m.÷2) will be obtained by adding the monthly means of the a. m. and p. m. observations and dividing the sums by 2. The "Monthly mean temperature" will be obtained by dividing the sum of the mean maximum and minimum temperatures by 2.

h. In determining the highest and lowest pressure for the month the barograph trace will be considered, and if any corrected barograph reading is lower or higher than the recorded station pressure for any regular or special observation, this reading will be entered under the heading "Station" on page 10, to three decimal places, the last decimal being zero. The corrected thermograph reading at the time of this barograph reading will be entered to whole numbers as the "Dry," and the reduced pressure determined according to the rule for special observations. The other entries should indicate the date and time of occurrence. The pressure values thus derived will be used in determining the highest and lowest for the month for entry on page 9. When the highest or lowest reduced pressure occurs on more than one date, carry the reduction to thousandths to determine the actual date.

i. The highest and lowest temperatures and the greatest and least daily ranges will be taken from page 8, but the dates on which they actually occurred (tenths considered) will be determined from pages 2 and 3. At stations supplied with thermographs, when the monthly maximum or minimum temperature is recorded the same on two or more dates on pages 2 and 3, the date of the highest or lowest temperature for the month will be determined by the thermograph trace, using the date on which the highest or lowest point is reached by the thermograph pen. When the greatest or least daily range of temperature occurs on two or more dates, as shown on pages 2 and 3, the date will be determined by referring to the thermograph trace.

j. The number of days with the maximum temperature 90° or above, 32° or below, and minimum temperature 32° or below, and zero or below, will be determined from the maximum and minimum thermometer readings as recorded to tenths. When the maximum or minimum temperature is taken from the thermograph it will be considered as whole degrees.

k. When on more than one date, both dates will be given.

l. (1) Precipitation will be considered excessive when it equals or exceeds 2.50 inches in twenty-four consecutive hours, or 1 inch in one hour. See also paragraph 200.

(2) In determining the duration of excessive precipitation of 2.50 inches in twenty-four hours at stations equipped with recording rain gages, the period of duration will begin with the first closing of the circuit and end with the last closing for each shower. All intervals between showers will be excluded. At stations not equipped with recording gages the period of duration will be the time precipitation actually occurred. The period may be extended beyond twenty-four hours as long as the rate of 2.50 inches in twenty-four hours continues.

(3) When the above data are compiled for publication the following footnote will be made: "The duration is the time precipitation was actually recorded."

(4) Excessive precipitation at the rate of 1 inch an hour will not be entered on Form No. 1001.—Met'l, unless 1 inch falls within one hour. If 1 inch is recorded in less than one hour that amount only will be taken, unless the rate of fall continues excessive (at the rate of 1 inch an hour or eight and one-third hundredths inch in five minutes), in which event the entire amount of precipitation at the excessive rate and the entire time at which the rate was excessive will be entered.

(5) After 1 inch has been recorded within one hour, if the rate ceases to be excessive for a short time and again becomes excessive, whether or not it extends beyond one hour, both amounts will be included, provided the amount for the last excessive period is sufficient to make it and the non-excessive interval, taken together, excessive.

(6) At the beginning or ending of excessive precipitation of 1 inch an hour no amount at less than that rate will be included unless required to make a total of 1 inch in an hour.

m. In computing the maximum precipitation in twenty-four hours and excessive precipitation data, the division of the months will be disregarded. The same data will not be included in the compilations for two months. When the record for the 1st of a month has been included in that for the preceding month, a note to that effect will be entered on page 9.

n. A day with hail is one on which a trace or more of hail fell.

o. To be taken from the sum of columns headed "Snowfall, unmelted, ... p. m. to ..... p. m.," page 8.

p. To be determined from page 6 or 13 at stations that prepare either or both pages and from the "Number of times observed from," as recorded in the summary, at stations that do not prepare pages 6 or 13. If two or more directions are recorded an equal number of times, consider the adjacent directions in determining the prevailing direction for the month. Only one direction will be entered. When calm exceeds the prevailing direction, it will be entered immediately above the latter.

r. Enter but one maximum wind velocity, direction, and date.

t. The "Monthly mean cloudiness" will be the mean of the column "Average daily cloudiness," on page 4.

u. To include only days on which 0.01 inch or more of rain, melted snow, sleet, or hail fell.

v. A day with thunderstorm is one on which thunder is distinctly heard at the station, whether or not lightning is seen or rain falls at the station. (See par. 105.)

w. Stations having a recording rain gage will enter the maximum fall in five and ten minutes, etc., for the month, together with the date of occurrence.

RULE FOR DISPOSING OF DECIMALS.

122. In dropping decimals, if the figure to be dropped is greater than 5 (or 5 with a remainder) the preceding figure will be increased by 1. If the decimal figure to be dropped is 5 exactly, the preceding figure when odd will be increased by 1, and when even it will remain unchanged. If the figure to be dropped is less than 5, retain the preceding figure unchanged.

123. In computing the monthly means of barometer and vapor pressure the division will be carried to four decimal places, and the fourth decimal dropped in accordance with the preceding rule. In computing all means (except for barometer and vapor pressure) carry the division to two decimal places only, and dispose of the last decimal figure according to the preceding rule.

FROSTS.

124. The date of occurrence of each frost will be recorded throughout the year in California and Florida and along the immediate coast of the Gulf of Mexico. In the spring all frosts will be recorded, beginning March 1, in the portions of Washington and Oregon west of the Cascade Mountains.

125. In the spring in all sections, except those mentioned in paragraph 124, the date of occurrence of each frost will be recorded on and after the date that the daily normal temperature is 43°.

126. All frosts occurring at any station between May 1 and August 31 will be recorded.

127. During the autumn and winter frosts will not be recorded subsequent to the date on which the first killing frost occurs, except as specified in paragraph 124.

128. Frost will be designated as "light," "heavy," or "killing." The term "light" signifies no destructive effect except to tender plants and vines; "heavy," a copious deposit of frost, but which does not kill the staple products of the locality; and "killing," frost that is destructive to vegetation and staple products.

129. The character of frost, whether light, heavy, or killing, must sometimes be determined by the phenomenon itself, rather than by its effect on vegetation and the staple crops, since the latter may have passed the stage where injury was possible.

MONTHLY METEOROLOGICAL NOTES.

130. Page 12 will contain an account of important atmospheric phenomena, not easily susceptible of tabulation, occurring at or in the vicinity of the station. Events will be described after the manner of a narrative, covering the entire period of occurrence, whether consisting of a fraction of a day or of a number of days.

131. An annual index will be prepared on the printed form provided for that purpose and will be submitted with the December Form No. 1001. Subjects will be indexed by month and date.

132. The meteorological notes will be written with a typewriter and the writing should be single spaced. If necessary, an additional sheet will be inserted. A press copy will not be made.

133a. In the reporting of meteorological phenomena too much care can not be exercised to make the account explicit and to state accurately the time of occurrence. Very often the omission of a single detail detracts materially from the value of the report.

133b. Measurements of snow should be made at intervals during the occurrence of heavy snowfall in order to determine the maximum depth. These measurements should be recorded on page 12 and also in the notes on Form 1014.

134. In describing weather conditions and phenomena midnight will be understood to refer to the end of the day and will receive the date thereof. Twelve o'clock midnight and twelve o'clock noon will be written thus, respectively: 12 midnight; 12 noon. Night will be referred to thus: "Night of the 3d–4th," and will cover the time from dark to daylight.

135. At stations on the lakes and navigable rivers the opening and closing of navigation, together with the name of the first vessel to arrive and the last to depart, should be recorded.

136. Whenever a killing frost occurs the "Met'l Notes" will contain a statement of the kinds of vegetation killed, the degree of maturity at the time of the frost, the estimated percentage of loss, and any other facts that favored the formation of frost, or that tended to increase the injury.

137. Especial care should be taken to note the *dates* of the occurrence of the first and last frost of each character in *the annual index of the Monthly Meteorological Notes.* If the dates of the first and last killing frost can not be determined the first day with the minimum temperature of 32°, or lower, in the autumn, and the last day with 32°, or lower, in the spring, *when precipitation did not occur* while the temperature of 32°, or lower, obtained, will be recorded, with an explanatory note as to the probable cause of the absence of frost on those dates.

138. *a.* A tornado is a violent local storm, in connection with which is usually noted a well-defined, pendant, funnel-shaped cloud, with attendant rotary winds, often of sufficient violence to prostrate buildings and uproot trees and leaving unmistakable evidence of rotary winds.

b. Whenever a tornado occurs within a radius of 25 miles from the station the official in charge will make diligent effort to obtain an accurate description of all meteorological elements accompanying the tornado. In gathering and preparing the data relative to a tornado, information on the following points is desirable:

c. The path of the tornado, with the location of buildings destroyed and the distribution of the débris on either side of the storm track. This should be shown by a map.

d. The name of the place and the date and hour of occurrence. If the tornado passed near a town, the distance, and direction from, should be noted.

e. The appearance of the cloud; glow and funnel-shape; the color of cloud; the meeting of clouds; lightning, and whether seen to issue from the funnel cloud.

f. Character and amount of precipitation, including hail; size of hail.

g. Nature of attendant noises.

h. Direction of motion of storm.

i. Presence of a whirl, either as seen in a cloud or as evidenced by the distribution of débris.

j. General direction in which trees or débris lay in the center line of greatest destruction, and on either side of this line.

k. Length of path and width at point of greatest destruction.

l. Number and names of persons killed.

139. Whenever damaging hail falls at or within 25 miles of the station, a report will be made in the "Met'l Notes," stating the size of the stones and the nature of the damage.

140. Various optical phenomena are constantly occurring in the atmosphere, and while they have no very important bearing upon the weather it is desirable to note their occurrence. Among these phenomena may be mentioned auroras; halos, solar, and lunar; rainbows; coronas; parhelia; paraselenæ and mirages.

141. Auroral displays should be described, giving in all cases where practicable the time of beginning and ending and the altitude and azimuth of each extremity and of the crown of any arch of light that may be formed. Azimuths should be recorded as in astronomy, from the south point to the westward, passing successively through, west, north, and east points of the compass until the starting point is reached.

142. In counting the number of auroral displays, those occurring on parts of two successive days will be counted as single displays, but in counting the dates of auroras, when they extend past 12 midnight, both dates will be counted.

143. Whenever a meteor is seen the "illumination" left by it should be carefully noted, both as to its appearance and the direction in which it apparently floats.

FORM No. 1002.

144. This form will be made out in duplicate at the end of the year on the current edition.

145. If the elevation of the anemometer, thermometer, or rain gage has been changed, that on December 31 must be given. The dates of changes and old elevations must be carefully recorded on the margin.

146. The sum of corrections and all changes in the same must be carefully noted under "Sum of barometer corrections," page 1, and the date and observation upon which it was first used.

147. When one or more observations have been missed, connect all data for less than a full month with a footnote, stating the length of time of the record.

148. The monthly mean pressure, dew-point, relative humidity, absolute range of pressure, and all other data, except as hereinafter provided for, will be taken from the summary of Form No. 1001 or the Climatological Record. The decimal in the case of the dew-point and relative humidity will be disposed of according to rule.

149. In the space for date of highest and lowest pressure and temperature for the year enter the month and day thereof, as "July 6." The mean daily range and mean daily change of temperature will be taken from the columns similarly headed on page 8, Form No. 1001.

150. The data to be entered in the columns headed " Total " and " Possible " will be taken from the sum of the columns similarly headed on page 4, Form No. 1001. The " Percentage " will be taken from the monthly percentage of " Total." Stations not supplied with a sunshine recorder will leave these columns blank.

151. At stations preparing page 13, the prevailing direction for the year will be determined by the direction having the greatest number of hours; at all other stations it will be determined from the sums of " Number of times observed blowing from the N., NE.," etc.

152. The mean hourly temperature and wind velocity will be taken from the mean values at the foot of pages 5 and 7, respectively, and the data for entry in columns headed " For the month " from the average hourly temperature and wind velocity, respectively. Data for less than one-half of a month will not be recorded, and in case the data for one or more months are missing the sums and means for the year will be omitted. All means will be obtained by dividing the sums of the respective columns by 12, and each mean will be recorded to the same number of decimal places as the data from which it is obtained are recorded.

153. Page 7, " Wind—number of miles and length of time from each direction," will be prepared at stations that tabulate these data.

FORM No. 1003.

154. The data to be entered on Form No. 1003 will be an exact copy of those in columns similarly headed on Form No. 1002. One copy will be forwarded to the Central Office with Form No. 1002. A retained copy need not be kept.

FORM No. 1014—DAILY LOCAL RECORD.

155. Time.—All entries will be on the standard of time in local use; this will be local mean time at the few places where such is in current use.

156. Enter against the heading " Temperature at the end of hour " the corrected thermograph readings, except whenever eye readings of the dry thermometer at exact hours are available they will be entered. The maximum and the minimum thermometer readings and the mean daily and normal temperatures will be entered on the right-hand side of the sheet, and these entries will correspond to those entered on page 8, Form No. 1001.

157. Under " State of weather " enter the nature of the precipitation, whether rain, hail, sleet, or snow, with the time of beginnings and endings. The character of precipitation may be indicated by a single letter; thus, for rain beginning at 9.15 a. m. the entry would be " R. B. 9.15 " in the column headed 9–10. The ending should be indicated in a similar manner in the proper hour column.

158. On the right-hand margin of the form, opposite the heading " Total depth of snow," etc., the total depth of snowfall for the twenty-four hours ending at the local standard time corresponding to 8 p. m., 75th meridian time, will be entered.

159. When necessary, additional data in regard to hail fall and sleet fall, and ground covering of hail, sleet, and ice will be entered.

160. The blank space on the form for the time will be filled up by entering the standard time in local use corresponding to 8 p. m., 75th meridian time. In the same manner the amount of snow on the ground at 8 p. m., 75th meridian time, will be entered.

161. In the spaces against the heading "Amount of precipitation " will be given the hourly amounts, when obtainable by self-register. Stations not supplied with self-registers will leave the spaces blank. On the right-hand margin space is provided for the entry of the total precipitation as measured at the 8 a. m. and 8 p. m. observations, 75th meridian time, except that the time will be given in the local standard in use at the station instead of 75th meridian.

162. The total precipitation, midnight to midnight, will also be entered in the space provided for it. At stations not provided with self-registers the amount will be estimated, and a note to that effect will be made.

163. In the spaces headed " Cloudiness and other conditions " the state of the weather will be indicated by the words " Clear," " Partly cloudy," " Cloudy," " Fog," etc., and the time that these conditions prevailed will be indicated by means of arrows and lines drawn through the hour spaces on both sides of the word and ending at the time when the conditions began and terminated. Moonlight should be observed and the standard astronomical symbol entered to indicate the phase of the moon on the date for the maximum of each phase. The entry of time of moonrise and moonset is optional. If the moon is obscured at intervals, either totally or partially, these facts should be noted. The " Character of the day " will be entered in the space provided for it.

164. The space headed " Sunshine " is intended to replace the entries which were formerly made on Form No. 1070, and the instructions which apply to page 4, Form No. 1001, will be followed in entering the data on this form.

165. In like manner the spaces for " Wind direction " and " Wind movement " will be prepared precisely as the similar columns on pages 6 and 7, Form No. 1001. The third space under wind, " Maximum velocities exceeding ..... miles," will contain a statement of the maximum hourly velocity and direction, together with the time the maximum occurred, as taken from Form No. 1017, or No. 1015, whenever the wind exceeds a certain limit. This limit will be fixed by officials in charge of stations. In general, maximum velocities below 22 miles will not be entered unless there is a demand for them at the station. Officials in charge will aim to enter only those maximum velocities which may be of importance to the public interests at the station.

166. Space has been provided for use in entering excessive precipitation data. Against the right-hand margin of this space relative humidity, reduced barometer, and river readings should be entered.

167. Copies of the barograph and thermograph traces, including the red-ink corrections entered on the original trace, will be made on the diagrams at the foot of the page.

168. The space provided for notes will be used whenever the instrumental readings do not clearly express the weather conditions of the day. Under this head a description should be given of all severe storms, cold waves, frosts, or any abnormal condition that may prevail, together with the time of receipt and the time of hoisting and lowering of warnings of all kinds; as to snow, see paragraph 133b. The Daily Local Record should contain a complete history of the weather of the day and be carefully verified. It will be retained at the station, and a copy will not be furnished to the Central Office. It should be made in record ink.

169. All special features will be indexed.

FORMS No. 1015, No. 1017, AND No. 1028.

170. Enter in the lower right-hand corner of each sheet the meridian of time on which the record is made, as 75th meridian time, 90th meridian time.

171. Incomplete Records.—Observers will examine the registers each morning immediately upon arriving at the office to see whether or not they are working properly. If the anemometer is out of order a dial reading will be made at once and entered on the sheet, together with the time at which it was made.

172. Dial readings will also be made at each regular observation and at each noon during the incomplete record and when the record is started and entered on Form No. 1015 or No. 1017. The data will be interpolated when the loss of record is less than twenty-four hours. Short breaks in the record when the self-register fails to work may be estimated when the observer believes he can approximate what the record would have been. In all such cases an explanatory note will be entered on all forms where the data are used.

173. In case of loss of record for a period of twenty-four hours or more, blank sheets for the period containing the name of the station, dates, and such data as can be obtained will be prepared and forwarded with the regular monthly package.

174. Whenever the instrument has not been running on correct time a note should be made to indicate the true time of the record.

175. The total movement of the wind for each six hours and for the day will be entered on the left-hand margin in the proper spaces.

176. Current Velocity, How Obtained from Register.—To obtain the current velocity from the anemometer record, take the number of spaces and parts of spaces between the mile marks recorded in the five minutes preceding the moment considered and multiply the result by 12, except when the wind has blown at the rate of less than 12 miles an hour, when the velocity will be determined as shown by the second example below.

First example: Suppose the number of spaces indicating mile marks between 7.40 p. m. and 7.45 p. m., 75th meridian time, was $1\frac{1}{4}$, then the velocity of the wind to be recorded at the p. m. observation is $1\frac{1}{4}\times12=15$ miles per hour.

Second example: If the interval between the last two mile marks is seven minutes, then the current hourly velocity will be obtained by dividing 60 by $7=8\frac{4}{7}$ miles, recorded as 9 miles.

177. Maximum Velocity, How Obtained from Register.—The maximum velocity of wind will be obtained by considering the number of spaces and fractions thereof between the mile marks in the five minutes where the velocity is the greatest and multiplying the result by 12; the product will be the maximum velocity.

If the shortest space between two mile marks in the period covers more than five minutes of time, then the elapsed time for said space will be the basis of the calculation. Example: If the shortest space between two mile marks is thirteen minutes, then the maximum velocity is $60\div13=4.6$ miles per hour, which will be recorded on Form No. 1001 as 5 miles.

178. The extreme velocity each day (from midnight to midnight) will be ascertained with reference to the mile of wind recorded in the shortest time, thus: Find the two marks nearest each other on the anemometer sheet, calculate accurately the amount of time between these two marks (from beginning to beginning or from ending to ending), divide 60 by this amount, and the quotient will be the extreme velocity. Example: The space of time between two marks nearest each other is two minutes; $60\div2=30$, therefore 30 miles is the extreme velocity for the day.

When the maximum velocity is 12 miles per hour, or less, the extreme daily velocity for the same period of time should be the same; if more than 12 miles, the extreme velocity can be greater.

179. For convenience and accuracy in determining the velocity of the wind a scale has been prepared and furnished to each station with which the velocities may be read direct from Form No. 1017—Met'l without computation. This scale consists of a series of subdivisions equal in length to the intervals between the mile marks on the record sheet for all velocities from 5 to 39, and for every even mile from 40 to 78 miles per hour. To determine the velocity find the portion of the scale where the subdivisions correspond to the mile marks on the sheet. If the mile marks correspond with the smallest subdivisions, the velocity is shown by the first row of figures on the scale. If the mile marks correspond to 2, 4, or 8 of the subdivisions, the velocity is shown by the second, third, or fourth row of figures. When measuring maximum or current velocities for which a whole number of miles is not recorded in five minutes, it will be necessary to estimate the proportional part of a mile required to complete the five-minute period.

180. Maximum Velocities Entered on Wind Sheets.—The maximum wind velocity (for any five minutes) for the day, midnight to midnight, standard of time in local use, and the maximum velocity, when entered on pages 2 and 3, Form No. 1001—Met'l, will be entered in ink on Forms No. 1015 and No. 1017—Met'l immediately above the record as shown by the self-register. Care will be taken not to obliterate any record, and the word maximum will be abbreviated, thus: Max. 25.

181. Current Wind Velocity, How Obtained from Dial.—Make two readings of the outer dial with an interval of five minutes between them. The difference between these readings will be the distance, in miles and tenths, traveled by the wind in that interval. This, multiplied by 12, will give the indicated velocity in miles per hour. Example: Suppose the index of the anemometer to be at 3.4 on the outer dial when the first reading is taken and at 4.1 five minutes after, the difference, 0.7 mile, is the distance traveled in that time; and this, multiplied by 12 gives a velocity of 8.4 miles per hour.

182. The total movement by register for any period will be obtained by counting the number of marks in the period.

183. Wind Movement from 12 Noon to 12 Noon by Dial, How to Obtain.—Subtract the reading of the anemometer dial at 12 noon of the preceding day from the reading taken at 12 noon of the current day; the difference will be the total movement. When the reading of the anemometer is less than the reading of the preceding day, 990 miles will be added to it, and the remainder, after subtracting the reading of the preceding day, will be the total movement. Example: The dial reading of to-day is 91, and that of yesterday was 950, hence we have $91+990=1{,}081$; $1{,}081-950=131$, the total movement of the wind in miles from noon to noon.

184. Velocity of Wind Estimated.—Whenever instruments are not available for directly measuring the wind velocity it will be estimated by reference to the following scale:

Name.	Miles per hour.
Calm	0 to 5.
Light	6 to 15.
Moderate	16 to 25.
Brisk	26 to 35.
High	36 to 50.
Gale	51 to 65.
Hurricane	66 or more.

185. Dial Readings.—The reading of the anemometer dial made at 12 noon on the first day of each month and at 12 noon each Monday during the month will be recorded on the sheet just taken from the register. Only actual dial readings will be recorded.

186. The accuracy of the anemometer record for each month may be verified at the end of the month as follows: Ascertain the total wind movement by register from 12 noon of the first day of the month in question to 12 noon of the first day of the succeeding month; add to this the dial reading of the first day of the month being verified and divide the sum by 990; the remainder should equal the dial reading on the first day of the succeeding month.

Example.

Total movement, 12 midnight to 12 midnight	3,283
Less twelve hours preceding 12 noon of the first day of month	70
	3,213
12 midnight to 12 noon of first of succeeding month	22
Dial reading on first day of month	303
	990)3,538(3
	2,970
Dial reading on first day of succeeding month	568

187. Anemometers Changed.—When the anemometer is changed a note will be made on the lower margin of the anemometer record sheet, giving the date and the hour of the change and the dial reading of both old and new instruments. If changed at 12 noon, both readings will be recorded on the sheet just taken from the register.

188. When an electric sunshine record is made the character of sunrise and sunset will be written, at the proper hours, on Form No. 1017.

189. When both sunshine and rain are recorded on the same sheet the portion representing rain will be clearly marked by brackets and such footnotes added as may be necessary to completely identify the records in case there is likely to be uncertainty.

190. Precipitation.—Whenever a station is equipped with a recording rain gage, that gage will be regarded as the station gage, and the measurements of the amounts of precipitation it collects will be the official measurements of the precipitation at the station.

191. Beginning and Ending of Precipitation.—The time of beginning and ending of precipitation will be recorded on the automatic record sheets (Forms No. 1017 and No. 1028) by direct and reverse check marks, thus (√) (√), accompanied by the letters B and E, respectively, said check marks being placed at the points corresponding in time on the sheet to the observed time of beginning or ending of precipitation, standard of time in local use. Whenever the time of beginning or ending is doubtful the entry will be accompanied by a query mark (?). When the recording gage is not in use in the winter the check marks indicating beginnings and endings should be omitted. Any information that will aid in determining the hourly amounts and rates of rainfall, when imperfectly recorded, should be given.

192. The characters B. D. N. or E. D. N. will be used to denote the beginning and ending of precipitation during the night, when the time is not known.

193. Whenever it becomes necessary to remove the recording gage to prevent injury from freezing (see paragraph 29, Circular E, Instrument Division), a note will be entered on page 9, Form No. 1001, giving the dates it was removed and again exposed. Stick measurements of the amount of precipitation collected in the snow gage will be made as instructed in paragraphs 108 and 109.

194. The precipitation collected in the tipping-bucket gage will be drawn off at each regular observation, the contents measured by stick in the measuring tube, and the amount recorded on Forms No. 1001 and No. 1017.

195. When the amounts by register and stick measurements at an observation differ by 10 per cent or more, a brief explanation of the probable cause of the discrepancy should be noted on the form upon which the disagreement appears.

196. At stations using the weighing gage the amount of precipitation at the regular a. m. and p. m. observations will, in general, be determined from the record sheet; but, in case of failure of the instrument to properly record, the amount of precipitation will be found by adjusting the sliding weight on the gage until equilibrium is established. The amount of precipitation is then shown by the scale reading, which will be taken to the nearest hundredth only. If a satisfactory scale reading can not be made for any reason the contents of the gage will be emptied into and measured in the tube of the standard 8-inch gage. The recording gage should then be set in operation as soon as practicable.

197. Whenever the weighing gage is emptied at any hour other than noon, the time of precipitation and the amount measured will be entered at the foot of the form. When the sheet is removed the actual amount of precipitation will be entered in the space at the foot of the form, and the trace lines for each twelve hours will be dated at the beginning and ending of the line.

198. The hourly amounts of precipitation will be entered in red ink, near the middle of the hour period, on Form No. 1017 or No. 1028, whichever is used for obtaining the instrumental record; for example, the amount during the hour from 1 to 2 p. m. will be entered near the 1.30 p. m. line on the sheet. In case of precipitation only partly recorded the hourly amounts for the period during which the record was defective will be estimated, if sufficient data are available, otherwise they will be omitted.

199. The totals of the hourly precipitation must in every case equal the total precipitation by stick measurement.

200. In tabulating excessive precipitation data from Forms No. 1017 and No. 1028 for storms in which the rate of fall equals or exceeds the limits shown in the following table, the accumulated amounts for each successive interval of five, ten, fifteen minutes, etc., during which the precipitation continues at an excessive rate will be entered in the table provided for that purpose in the summary, Form No. 1001. Under head "Total duration" will be entered the beginning and ending of precipitation; under "Excessive rate" will be entered the time precipitation began to fall at an excessive rate and the time the precipitation fell below that rate. This, however, must

not be construed to mean that short periods during the progress of a storm where the rate falls temporarily below the excessive rate shall be excluded. When the rate falls below the lowest limit, 0.05 inch in five minutes, for a period of thirty minutes or more, the succeeding excessive precipitation will be tabulated separately. Under the heading "Accumulated depths of precipitation," etc., will be entered the accumulated amounts for the respective periods, all periods beginning at the same point of time, which should be identical with that given under " Excessive rate, began—." The tabulation will be continued so long as the excessive rate, as indicated above, continues. When the excessive rate extends beyond one hundred and twenty minutes the tabulation will be made for each fifty minutes separately so long as the excessive rate continues.

Example.

Excessive rate.		Amount before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below.									
Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.
7.01 a.m.	7.51 a.m.	2.66	0.08	0.25	0.38	0.52	0.77	0.88	0.92	1.28	1.42	1.80
7.51 a.m.	8.41 a.m.	.....	*2.05	2.24	2.42	2.61	2.82	2.86	2.91	2.94	3.10	3.30
8.41 a.m.	9.31 a.m.	.....	*3.53	3.61	3.78	3.92	4.19	4.29	4.35	4.45	4.64	4.70

* Continued from line above.

Table showing limits at which precipitation may be considered as excessive.

Duration in minutes.	Depth of precipitation in inches.	Duration in minutes.	Depth of precipitation in inches.
5	0.25	35	0.55
10	0.30	40	0.60
15	0.35	45	0.65
20	0.40	50	0.70
25	0.45	60	0.80
30	0.50		

201. Storms in which the amount of fall does not equal that given above for any of the periods of time will not be tabulated.

202. In the case of the records from the tipping-bucket gage it must be remembered that in addition to accidental errors due to defective action of the recording mechanisms, there will also frequently be found a discrepancy between the recorded and measured amounts which is apt to increase with the rate of rainfall and varies slightly with different gages, and even with the same gage under different circumstances, as regards cleanliness, moisture, etc. The observer must, therefore, apportion the corrections with reference to different rates of rainfall, remembering that hours of heavy rainfall should receive greater corrections than hours in which the rainfall is at a slower rate.

203. In general, the method of apportionment illustrated in the following examples will be employed in correcting the automatic records for discrepancies referred to above.

204. Example 1.—The recorded amount of precipitation is 1.14 and the amount of stick measurement 1.23, showing a deficiency in the recorded amount of 0.09. This amount must be added to the record; that is, at the rate of 1 tip for each 12 tips recorded ($1.14 \div 0.09 = 12$; dropping all fractions).

205. Example 2.—The recorded amount is 0.86 and the measured amount 0.80, showing an excess in the recorded amount of 0.06. One tip must, therefore, be stricken out in each group of 14 recorded tips ($0.86 \div 0.06 = 14$).

206. In performing the divisions indicated in these examples the observer will always drop all fractions.

207. In many cases the exact point at which a tip is added or stricken out is not of great importance but, in general, these corrections should be made at those portions of the record showing a noticeably rapid rate.

208. The points at which tips are stricken out in accordance with the foregoing instructions will be indicated on the record sheet by a small cross mark (×) in red ink, and the points where tips are added by a caret (∧) immediately underneath the point; such marks will not be used for any other purpose on the rain-gage record sheets.

209. Stick Measurements.—At noon after each precipitation the water in the weighing gage will be carefully poured into and measured in the measuring tube of the extra gage. If the gage is recording properly, and upon inspection or test is found to be properly balanced, no stick measurements will be made at the time of taking the observation, but the amount of precipitation will be read off from the scale on the gage and recorded on Form No. 1001. If the gage is not recording properly the amount at each observation will be ascertained by stick measurement, and these values entered on Forms No. 1028 and No. 1001 at each regular observation. Since this gage is generally not emptied at the time of taking an observation, it will rarely occur that the scale reading of the gage will directly give the twelve-hour rainfall called for on Form No. 1001. At the a. m. observation it will be necessary to deduct the scale reading at the last p. m. observation, and at the p. m. observation it will frequently be necessary to add to the scale reading a quantity representing the amount of precipitation that fell between the a. m. observation and the time the gage was emptied at midday. Observers are cautioned against errors in making these entries on Form No. 1001.

RECORDS FROM BAROGRAPHS AND THERMOGRAPHS.

210. Sheets.—Barograph and thermograph sheets will each be clearly marked on the face of the sheet with the name of the station, time on which the records are made (as 75th meridian, 90th meridian, local time, etc.), and date, each day's record being dated as near the noon line for that day as practicable.

211. Clocks.—Every effort should be made to properly regulate the clocks to correctly keep time, winding them once a week, or oftener if necessary. The instruments should be inspected each day by the observer and properly adjusted by him when necessary. Whenever they are adjusted a marginal note, stating the fact, will be connected with the proper hour.

212. At the time of adjusting the barograph or thermograph pen, and when changing the record sheet, which will be at the exact hour, standard of time in local use, a reading of the station barometer (or dry thermometer) will be made and entered on the trace sheet. The corrections necessary to reduce the register to the standard at the time of changing the sheet and adjusting the pen, and for all regular and special observations, will be entered on the trace sheets in red ink. The barograph trace should be corrected to agree with the station pressure. When the pen is set higher or

lower there will be two corrections, one to apply to the preceding record and one to the following record. The correction to be used for other hours will be determined from the correction card by use of a pin or pins, as explained in paragraphs 216 and 219.

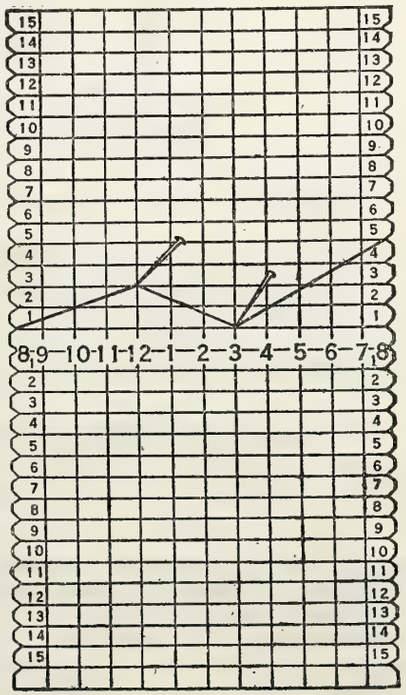
When the pressure or temperature at any particular station is such that the record might pass off the edge of the sheet or not be at all included in the rulings, observers will change the numbering of the lines by some convenient whole number and adjust the pen of the instrument accordingly.

213. Thermograph Time Error.—At the time of taking the a. m. observation the observer will carefully touch with a lead pencil the lever projecting from the thermograph bulb, so as to cause the pen to make a short vertical mark on the sheet. A note will be made on the first sheet for each month stating the time at which the pen is regularly touched. If it is touched more than five minutes from the regular time a note will be entered stating the exact time the mark was made.

214. Barograph Time Error.—The barograph pen should be touched at 12 noon, local standard time; if not touched within five minutes of that time a note will be entered giving the exact time the mark was made.

215. When the instrument is not running on correct time, this will be considered in taking off the data, so that it will be in true standard of time in local use.

216. Correction Card, How Used.—Ascertain the difference between the thermograph reading and the dry bulb thermometer reading at any regular observation under consideration; then set the rubber band on the card in a notch at the left-hand edge corresponding to this difference. If this difference, or correction, must be added to the thermograph reading to make it agree with the dry bulb reading, then the band must be set above the middle line, or, if the difference must be subtracted, set the band below. In a similar manner set the band in a notch at the right-hand edge of the card corresponding to the difference between the thermograph reading and the dry bulb thermometer reading at the next regular observation. The hours on the correction card should be renumbered to agree with the meridian of time in use.



Thermograph correction card.

217. The thermograph correction at any hour between the regular observations is the distance above or below the middle line of the point at which the band crosses that particular hour line.

Example.

Difference at first 8 o'clock observation: +2 (band above middle line).
Difference at next 8 o'clock observation: —3 (band below middle line).

Hourly correction taken to the nearest unit.

9	10	11	12	1	2	3	4	5	6	7
+2	+1	+1	0	0	0	—1	—1	—2	—2	—3

This card also will be used in a similar manner for correcting barograph readings.

218. Eye readings of the thermometer and barometer at exact hours, as provided for in paragraph 212, should be used to check and correct the corresponding recording instruments. If the correction at 12 o'clock, for example, was +3, and 3 o'clock +1, then if pins be stuck in the card at these points the rubber band may be deflected in the manner shown in the figure, and a complete series of corrections for the twelve-hour period from 8 a. m. to 8 p. m., 75th meridian time, determined.

219. The readings of the maximum and minimum thermometers at 8 a. m. and at 8 p. m., 75th meridian time, should also be used in connection with the 8 a. m. and 8 p. m., 75th meridian time, and all other readings of the dry thermometer, in order to determine the corrections to be applied to the thermograph trace throughout the 24 hours.

220. These corrections will also be entered on the trace sheets and on the copy of the trace on Form 1014, and will not be accompanied by explanatory phrases such as "correction at time of max.," "correction at time of min.," "correction at 8 a. m.," etc., as these unnecessary entries confuse the records.

221. The corrections thus determined should also be entered in red ink on page 5, Form No. 1001, at the time the dry thermometer was read, or at the hour nearest the time of occurrence of the extremes, as shown by the trace sheet, giving the preference to the previous hour whenever there is uncertainty as to which hour is nearest the time of maximum or minimum, as the case may be.

222. When the maximum or minimum temperature occurs exactly at 8 a. m. or 8 p. m., 75th meridian time, the thermograph correction for that hour will be determined from the reading of the dry thermometer only.

FORM No. 1030.

223. The mean temperature for the month will be obtained by dividing the sum of the mean maximum and mean minimum by 2 and will be entered at the foot of the column headed "Mean."

224. The pressure and precipitation will be recorded to hundredths; temperature to nearest whole degree, except in case of the monthly means at the foot of the first three columns, normal for this month, and the average daily excess or deficiency, which will be carried to tenths. The accumulated excess or deficiency since January 1 will be the same as that recorded on page 8, Form No. 1001.

225. The average daily excess or deficiency since January 1 will be obtained by dividing the accumulated amount on the date desired by the number of days since January 1, viz, if the accumulated excess on February 28 is 51, divide it by 59, the number of days since January 1, which gives +0.9 for the average daily excess.

226. When four copies or less are issued the form may be prepared by using carbon paper and a hard lead pencil. At stations possessing the necessary printing facilities the information may be published on blank sheets not larger than the standard form, or on cards not larger than one fold (one-fourth part) of the form; but no data called for by the standard form should be omitted, and the designation "Form No. 1030—Met'l" should appear at the top of the sheet or card and on the briefing fold of the sheet. A copy will be furnished each of the local papers and to such persons as are authorized; one copy will be forwarded to the Central Office also on the first day of the succeeding month.

227. When used for the Pacific Coast the average and excess or deficiency of precipitation will be computed from September 1.

228. A blank column has been provided for sunshine, snowfall, or such other data as may be desired.

229. The regular data called for on Form 1030—Met'l, will be prepared as formerly, but where special tables or other data involving time, as hourly values of temperature, precipitation, and the beginnings and endings of precipitation, etc., are published, they should appear in "local standard time" throughout the year.

FORM No. 1083.

230. Form No. 1083 will be carried when taking an observation and the data entered immediately thereon.

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Form No. 1001—Met'l.

U. S. DEPARTMENT OF AGRICULTURE

WEATHER BUREAU

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of JAN 1931 to Dec. 1931, *193*

Following Data Dec. 31, 1931

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, 8821 (9603 to Mar 8; 11106 to Sept 21); No. of wet thermometer in use, 6230; No. of maximum thermometer in use, 32395 (32363 to Aug 12); No. of minimum thermometer in use, 18995 (14577 to Feb 5)

†Elevation above ground of the dry thermometer, 101 feet; rain gage, 93 feet; anemometer, 119 feet.

If the office has been moved during the month, give date ——; amount of change in height of barometer, ____ feet (higher or lower)

No. of extra barometer, 675; sum of corrections, -.034; date and observation upon which use of station barometer commenced, May 20, 1911 7:00 A.M., station elevation, 857 feet; actual elevation, 841 feet.

Location of office: Number Berry and Ewing street, room 706 Wayne Pharmacal Bldg first observation taken in present office, 7:00 P.m. June 26, 1930

*Cancel words that are not appropriate. † To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JAN 1931, 193

Number of Station barometer, 656; sum of corrections, −.026 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:19 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-Reg. Ther's Max. (b)	Self-Reg. Ther's Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	66.0	29.480	.126	29.354	30.33	12.8	12.0	10	85	.063	22.0	10.9	SW	6			T	10	2 st	W	Cloudy		E.L.H.	1
2	60.0	29.280	.109	29.171	30.13	22.5	20.5	16	72	.085	22.5	19.1	SW	15			0	1	ci st	SW	Clear		E.L.H.	2
3	64.0	29.170	.119	29.051	30.00	35.0	31.0	25	64	.130	35.1	34.0	SW	10			0	9	st cu	SW	Cloudy		E.L.H.	3
4	68.0	29.200	.130	29.070	30.02	32.0	30.5	28	85	.150	35.8	31.7	S	3			0	4	2 cu	SW	Part Cloudy		E.L.H.	4
5	63.0	28.780	.116	28.664	29.59	34.4	34.4	34	100	.195	41.1	34.4	NE	8			T	10 10	Dense Fog st	NE NE	Cloudy ~~Foggy~~		E.L.H.	5
6	62.5	28.850	.114	28.736	29.68	30.4	28.4	25	78	.130	36.0	30.4	NW	16			0	10	st cu	NW	Cloudy		E.L.H.	6
7	62.0	29.280	.115	29.165	30.12	27.0	25.0	21	76	.108	29.0	26.4	NW	3			0	10	st cu	NW	Cloudy		E.L.H.	7
8	65.0	29.280	.122	29.158	30.12	24.0	23.0	21	87	.108	30.9	24.0	N	3			0	2	2 st	SE	Clear		E.L.H.	8
9	69.0	29.333	.133	29.200	30.14	31.8	29.3	26	74	.136	33.8	27.9	S	10			0	10	2 st	S	Cloudy		E.L.H.	9
10	68.0	29.450	.131	29.319	30.28	25.8	24.3	22	82	.113	33.8	25.6	SW	8			0	0	0	0	Clear		E.L.H.	10
11	67.5	29.268	.129	29.139	30.09	31.8	30.9	30	91	.164	34.0	29.4	S	5			T	10	st cu	S	Cloudy		E.J.S.	11
12	62.0	28.958	.114	28.844	29.79	32.0	31.0	30	90	.164	33.8	32.0	W	8			.09	10	St Cu	W	Cloudy		L.S.	12
13	66.0	29.120	.124	28.996	29.96	23.2	21.6	18	79	.093	27.0	22.8	SW	10			T	10	St	SW	Cloudy		E.L.H.	13
14	70.0	29.330	.136	29.194	30.15	21.0	19.5	16	78	.085	22.0	15.8	W	3			T	10	St	W	Cloudy		E.L.H.	14
15	70.0	29.754	.137	29.617	30.60	10.5	9.3	4	74	.047	20.1	10.5	SW	6			0	2	a St	NW	Clear		E.L.H.	15
16	70.0	29.450	.136	29.314	30.27	23.2	21.8	19	81	.098	26.8	21.8	S	10			0	0	0	0	Clear		E.L.H.	16
17	69.0	29.380	.134	29.246	30.20	24.2	22.7	19	81	.098	32.8	24.2	SW	6			0	0	0	0	Clear		E.L.H.	17
18	70.0	29.345	.136	29.209	30.15	29.5	28.5	26	89	.136	38.0	29.5	E	6			T	10	St	E	Cloudy		E.L.H.	18
19	61.5	28.830	.112	28.718	29.66	35.0	34.0	33	91	.187	37.0	35.0	SW	10			.16	10	St	SW	Light Rain		E.L.H.	19
20	66.0	28.980	.124	28.856	29.81	26.8	26.3	23.6	94	.136	30.2	26.4	SW	5			.02	10	St	SW	Heavy Snow		E.L.H.	20
21	63.5	29.232	.118	29.114	30.08	15.6	14.0	9	73	.060	~~20.6~~ 16.6	12.8	NW	8			T	10	St	NW	Cloudy		PAL	21
22	66.0	29.310	.125	29.185	30.14	23.0	20.0	12	60	.070	23.0	18.7	SE	6			0	10	St	SE	Cloudy		E.L.H.	22
23	68.0	29.484	.131	29.353	30.32	21.0	20.2	18	89	.093	29.0	19.8	W	3			0	6 3	a. st St Cu	SW W	Cloudy		E.L.H.	23
24	73.0	29.326	.143	29.183	30.12	37.1	35.0	32	82	.180	37.1	34.8	SW	12			0	2	a St	SE	Clear		E.L.H.	24
25	67.0	29.232	.133	29.099	30.04	45.0	42.3	40	81	.247	47.0	43.0	SW	11			0	3 4	ci st a st	S S	Part Cloudy		E.C.S.	25
26	66.0	29.400	.126	29.274	30.22	30.8	28.3	24	74	.124	39.5	30.8	NW	2			0	6 4	a st St	W NW	Cloudy		E.L.H.	26
27	66.0	29.130	.125	29.005	29.96	33.0	31.5	29	85	.157	40.0	32.4	SW	9			0	3	a St	NE	Clear		E.L.H.	27
28	64.0	29.442	.120	29.322	30.28	26.0	23.8	19	73	.098	38.0	26.0	NW	4			T	3	St Cu	NW	Clear		E.L.H.	28
29	63.0	29.282	.117	29.165	30.10	35.0	32.8	30	80	.164	39.9	35.0	NW	12			T	9	St Cu	NW	Cloudy		E.L.H.	29
30	65.0	28.906	.121	28.785	29.72	35.2	32.7	29	77	.157	35.2	32.8	SW	16			0	3	a St	SW	Clear		E.L.H.	30
31	64.5	29.124	.120	29.004	29.95	32.2	30.0	27	77	.143	40.0	32.2	NW	12			T	10	St Cu	NW	Cloudy		E.L.H.	31
Sums		(a)	(a)	902.510	932.01	866.8	814.6	718	2502	3.919	(a)	(a)	(a)	246	(a)	(a)	0.27	214	(a)	(a)	(a)		(a)	(a)
Means		(a)	(a)	29.113	30.065	28.0	26.3	23.2	80.7	.126	(a)	(a)	(c) SW	7.9	(a)	(a)	(a)	6.9	U a. st L St Cu + St	U SW L NW	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121. "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JAN 1931, 193

Number of Station barometer, 656; sum of corrections, -.026 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-Reg. Ther's. Max. (b)	Self-Reg. Ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	64.0	29.384	.120	29.264	30.24	20.2	18.7	15	78	.081	26.0	12.8	S	11			0	0	0	0	Clear			E.L.H.	1
2	75.0	29.200	.149	29.051	30.00	34.0	31.5	28	77	.150	41.3	22.5	S	16			0	2	ci st	SW	Part Cloudy			E.L.H.	2
3	71.0	29.194	.138	29.056	30.01	35.8	32.8	29	73	.157	44.2	35.0	S	9			0	4	ci st	SW	Part Cloudy			E.L.H.	3
4	65.0	29.050	.121	28.929	29.88	41.1	39.0	37	83	.219	47.0	32.0	SE	6			T	10	st cu	SE	Cloudy	B 10:00A	B DNA	E.L.H.	4
5	74.5	28.642	.145	28.497	29.43	36.0	35.5	35	95	.203	38.6	34.4	N	15			0.32	10	st	N	Cloudy	5:00 P	8:00A	E.L.H.	5
6	69.0	29.118	.132	28.986	29.94	29.0	27.5	25	83	.130	32.1	29.0	NW	16			T	10	st	NW	Cloudy			E.L.H.	6
7	73.0	29.297	.143	29.154	30.10	30.9	27.8	22	68	.113	30.9	27.0	E	7			0	10	st	E	Cloudy			E.L.H.	7
8	77.0	29.307	.154	29.153	30.10	33.8	30.3	25	67	.130	38.0	23.0	SW	5			0	5	ci st	SW	Part Cloudy			E.L.H.	8
9	73.5	29.438	.146	29.292	30.24	33.8	29.2	21	57	.108	39.8	30.2	NW	4			0	1	cu	NW	Clear			E.L.H.	9
10	73.0	29.401	.144	29.257	30.22	34.0	32.0	29	81	.157	43.3	25.8	S	9			0	2	st	S	Clear			E.J.S.	10
11	68.0	29.064	.129	28.935	29.89	33.8	33.0	32	92	.180	37.3	31.8	SE	6			.06	10	St	SE	Cloudy			L.S.	11
12	75.5	29.058	.149	28.909	29.86	27.0	26.0	24	88	.124	32.0	27.0	SW	12			T	9	St	W	Cloudy			E.L.H.	12
13	75.5	29.285	.155	29.130	30.09	22.0	20.2	16	75	.085	25.8	22.0	SW	7			T	10	St	SW	Light Snow			L.S.	13
14	75.5	29.662	.152	29.510	30.48	18.6	17.0	13	75	.074	23.5	18.6	NW	6			T	6	a St	NW	Part Cloudy			L.S.	14
15	75.0	29.614	.150	29.464	30.44	22.5	21.0	18	80	.093	25.8	10.5	S	9			0	0	0	0	Clear			L.S.	15
16	77.0	29.330	.154	29.176	30.13	32.8	29.8	25	70	.130	37.3	23.2	SW	12			0	0	0	0	Clear			L.C.S.	16
17	75.0	29.402	.150	29.252	30.20	38.0	35.0	31	75	.172	42.5	23.4	S	1			0	0	0	0	Clear	B 7:10P E DNP		L.C.S.	17
18	67.0	29.056	.127	28.929	29.88	35.5	34.5	34	91	.195	36.2	29.5	E	6			T	10	St	E	Light Rain	10:20A 11:30P		L.C.S.	18
19	77.0	29.036	.152	28.884	29.83	30.2	29.5	28	93	.150	35.0	30.2	SW	12			T	10	St	W	Light Snow			L.C.S.	19
20	77.0	29.024	.152	28.872	29.83	15.4	13.9	9	75	.060	26.0	15.4	W	12			.02	10	St	W	Cloudy			L.C.S.	20
21	74.0	29.376	.147	29.229	30.20	19.0	16.5	10	62	.063	19.6	12.6	SW	5			T	3	a St	W	Clear			L.C.S.	21
22	76.0	29.436	.152	29.284	30.24	29.0	27.5	25	83	.130	31.4	22.8	NW	4			0	3	St	W	Clear			L.C.S.	22
23	78.0	29.440	.160	29.280	30.24	35.0	32.5	29	77	.157	36.4	21.0	E	7			0	9	St	E	Cloudy	7:15A 10:20A		L.C.S.	23
24	74.5	29.292	.147	29.145	30.04	47.0	42.0	36	66	.211	54.0	37.1	SW	10			0	0	0	0	Clear			L.C.S.	24
25	73.0	29.332	.143	29.189	30.13	39.5	37.5	34	9[illegible]	.195	53.4	39.5	NW	9			0	8	a St	NW	Cloudy			L.C.S.	25
26	76.0	29.248	.151	29.097	30.05	40.0	35.5	29	64	.157	46.0	30.8	S	10			0	0	0	0	Clear			L.C.S.	26
27	71.5	29.276	.139	29.137	30.09	38.0	36.0	33	83	.187	44.8	33.0	NW	12			0	10	St	NW	Cloudy			L.C.S.	27
28	71.0	29.170	.138	29.032	29.98	36.0	34.0	31	82	.172	36.0	25.4	S	14			T	10	a St	W	Cloudy			L.C.S.	28
29	70.5	29.366	.137	29.229	30.07	33.0	32.0	31	90	.172	35.0	30.8	SW	5			0	10	a St	SW	Cloudy			L.C.S.	29
30	74.5	28.962	.146	28.816	29.75	40.0	36.5	32	72	.180	50.0	35.2	W	17			0	10	St Cu	W	Cloudy			L.C.S.	30
31	74.0	29.322	.146	29.176	30.13	30.5	27.5	28	89	.150	33.0	30.5	W	8			T	10	St Cu	W	Cloudy			L.C.S.	31
Sums		(a)	(a)	902.314	931.85	991.4	922.37	814	2428	4485	(a)	(a)	(a)	282	(a)	(a)	0.40	194	(a)	(a)	(a)	4	1	(a)	(a)
Means		(a)	(a)	29.107	30.060	32.0	29.6	26.3	78.3	.145	(a)	(a)	(c) S+SW	9.1	(a)	(a)	(a)	6.3	U a St L St	USW LW	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of Jan 1931, 193

Date.	Maximum. (b)	Minimum (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.
	TEMPERATURE.							
	°	°	°	°	°			
Thursday 1	26	11	15	8	18			
2	41	20	21	12	30			
3	44	33	11	8	38			
4	47	32	15	2	40			
5	39	34	5	4	36			
6	34	28	6	5	31			
7	31	26	5	3	28			
8	38	23	15	2	30			
9	40	28	12	4	34			
10	43	26	17	0	34			
11	37	29	8	1	33			
12	33	25	8	4	29			
13	26	20	6	6	23			
14	24	16	8	3	20			
15	27	10	17	2	18			
16	37	22	15	12	30			
17	42	23	19	2	32			
18	36	30	6	1	33			
19	37	29	8	0	33			
20	29	13	16	12	21			
21	20	13	7	5	16			
22	31	20	11	10	26			
23	36	20	16	2	28			
24	54	35	19	16	44			
25	53	34	19	0	44			
26	46	31	15	6	38			
27	45	32	13	0	38			
28	40	25	15	6	32			
29	40	31	9	4	36			
30	50	34	16	6	42			
31	36	29	7	10	32			
S	1162	782	380	156	967		Total excess or deficiency since Jan. 1,	
M	37.5	25.2	12.3	5.0	(a)	(a)		

Date.	Character. ‡	Beginning.	Ending.	Character ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b)††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. Zp. m. to Zp. m. *‡‡	Snow unmelted. Zp.m. to Zp. m. *‡‡	Hail, sleet, and snow on ground at Zp. m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	PRECIPITATION.																				
													In.				In.	In.	In.	In.	
1	S^D	Cont	5.00a										T	.08	-.08	-.08	0	T	0.2	T	1
2													0	.07	-.07	-.15	0	0	T	0	2
3													0	.08	-.08	-.23	0	0	0	0	3
4	R	6:10p	6:15p	R	10.00p	cont.							T	.07	-.07	-.30	0	0	0	0	4
5	R	cont	DNa	R	7:30a	5:00p							0.32	.08	+.24	-.06	0	0	0	0	5
6	S^D	10.00a	11.15a										T	.08	-.08	-.14	0	T	0	T	6
7													0	.07	-.07	-.21	0	0	0	0	7
8													0	.07	-.07	-.28	0	0	0	0	8
9													0	.07	-.07	-.35	0	0	0	0	9
10													0	.07	-.07	-.42	0	0	0	0	10
11	S^m	DN.A	6:15A	S^m	12:07P	Cont'd							0.12	.07	+.05	-.37	0	0.6	0.1	0.12	11
12	S^m	Cont.d	DNA.	S^D	11:45A	11:55A	S^D	1:15P	1:25P	S^D	4:04P	7:50P	.03	.07	-.04	-.41	0	0.9	0.6	0.03	12
13	S^D	DNA	7:15A	S^D	10:40A	Cont'd							T	.07	-.07	-.48	0	T	0.6	T	13
14	S^D	Cont'd	DNA	S^D	9:00A	10:40A							T	.07	-.07	-.55	0	T	0.6	T	14
15													0	.07	-.07	-.62	0	0	0.6	0	15
16													0	.08	-.08	-.70	0	0	0.1	0	16
17													0	.08	-.08	-.78	0	0	0	0	17
18	S^M	6:03	9:30A	R	9:30A	10:20A	R	4:45P	DNP				0.16	.09	+.07	-.71	0	T	T	T	18
19	R	6:10A	8:20A	S^D	8:20A	1:10P	S^D	4:10P	7:40P				T	.09	-.09	-.80	0	T	T	T	19
20	S^D	DNA	11:00A	S^D	12:30P	4:05P	S^D	6:20P	6:35P				.04	.08	-.04	-.84	0	0.8	0.8	.04	20
21	S^D	5:20A	6:35A	S^D	11:43A	3:00P							T	.08	-.08	-.92	0	T	0.8	T	21
22													0	.08	-.08	-1.00	0	0	0.6	0	22
23													0	.07	-.07	-1.07	0	0	T	0	23
24													0	.07	-.07	-1.14	0	0	0	0	24
25													0	.07	-.07	-1.21	0	0	0	0	25
26													0	.07	-.07	-1.28	0	0	0	0	26
27	R	7:05P	7:40P										T	.07	-.07	-1.35	0	0	0	0	27
28	S^D	3:08P	3:30P	R	7:15P	8:10P	S^M	8:10P	8:40P				T	.07	-.07	-1.42	0	T	0	T	28
29	R	6:25A	6:35A										T	.08	-.08	-1.50	0	T	0	0	29
30													0	.08	-.08	-1.58	0	0	0	0	30
31	R	6:30A	6:35A	S	8:20A	4:35P							T	.08	-.08	+1.66	0	T	T	T	31
S	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	0.67	2.33	Total excess or deficiency since Jan. 1,		0	2.3	(a)	(a)	(a)
M	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	-1.66		(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S^d—dry snow, S^m—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths

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SUMMARY FOR THE MONTH OF JAN 1931, 193

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.005)

STATION. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.113	29.107	29.110	x 29.640	15	x 28.480	5	1.160	~~30.065~~	~~30.059~~ 30.060	30.062	x 30.62	15	x 29.40	5	1.22
Corrected mean		29.105						Corrected mean		30.057	x From barograph trace.				

TEMPERATURE.

Mean. Dry. 8 a. m.	8 p. m.	(8+8)÷2 (g)	Wet. 8 a. m.	8 p. m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
28.0	32.0	30.0	26.3	29.8	28.0	37.5	25.2	31.4	54	24	10	15	44	21	2	5	7

Dew-point. 8 a. m.	8 p. m.	Monthly. (g)	Relative humidity. 8 a. m.	8 p. m.	Monthly. (g)	Vapor pressure. 8 a. m.	8 p. m.	Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
23.2	26.3	24.8	80.7	78.3	79.5	.126	.145	.136	8	0	25	0

CLOUDS.

Most frequent clouds: Stratus.

Most frequent direction upper clouds: Southwest

Most frequent direction lower clouds: West

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
6775	9.1	SW	34	NW	30	2	1	4	3	12	21	6	13	0

WEATHER.

Mean Cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of Days. Clear.	Partly cloudy.	Cloudy.	Number of Days with Precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
6.9	6.3	6.3	49	8	10	13	0	0	5

MISCELLANEOUS PHENOMENA.

DATES OF—(MIDNIGHT TO MIDNIGHT).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (33 miles or over.)	Solar Halos.	Lunar Halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
—	—	—	0	30,	0	0	23, 5, 17, 18	5	0	0	0	0	0	0

PRECIPITATION (in inches and hundredths). (m)

Total amount	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
0.67	0.32	5	—	—	—	—	—	—	11	5	4	1	0	16	12	3	2.3	T

(w) Maximum precipitation in 5 minutes —, date —; 10 minutes —, date —; 15 minutes —, date —

30 minutes —, date —; 1 hour —, date —; 2 hours —, date —

EXCESSIVE.

Date.	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amt. before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
									None											

* The duration is the time precipitation was actually recorded.

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Prepared by E.L.H.

Earle L. Hardy, Meteorologist, Weather Bureau.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JAN 1931, 193

Number of Station barometer, ...; sum of corrections, ... inch.

Date.	Time. 75th mer.	Time. Local (standard).	Barometer. Attached thermometer	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
30	4 00 PM	3 00 PM	66.5	28.835	.125	28.710	29.62	42.0	38.5	34	8	73	50.0	NW	26	34	NW	T	10	st cu	NW	Cloudy		P.a.S.	
									Extremes of pressure																
15	11 00 am	10 00 am				29.640	30.62	17.0															Highest		15
5	2 00 P.M	1 00 P.M				28.480	29.40	37.0															Lowest		5

8—154 If additional space is required, rule a sheet similar to this, and paste to this margin. †By dial when self-register is out of order. ††T indicates trace of precipitation.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JAN 1931, 193

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1									126	10	878	11	24	3					238	24
2									146	13	170	11							316	24
3									109	12	137	12							246	24
4					46	8	31	6	38	10									115	24
5	153	10	92	10	26	4													271	24
6	36	2													331	22			367	24
7					27	5	60	11							34	8			121	24
8	5	1	21	5	32	6	5	1	16	3	40	8							119	24
9											64	10	110	11	14	3			188	24
10									48	6	130	18							178	24
11							63	9	85	12	15	3							163	24
12											209	21	28	3					237	24
13											216	24							216	24
14	17	1									42	10	5	1	131	12			195	24
15									89	8	107	15	6	1					202	24
16									51	5	238	19							289	24
17			13	3	7	2			2	1	97	17	5	1					124	24
18			19	4	127	20													146	24
19					5	2			6	1	259	18	36	3					306	24
20											183	17	82	7					265	24
21	16	3					5	1	8	2	57	9	65	7	20	2			171	24
22							52	9	11	2	19	4	40	9					122	24
23					6	1	44	8	23	4	5	1	31	10					109	24
24							11	2	65	7	148	15							224	24
25											218	16	69	7	10	1			297	24
26									8	1	96	13	15	2	29	8			148	24
27	9	1									165	15	39	3	56	5			269	24
28									53	5	98	11	12	3	33	5			196	24
29									33	4	16	3	47	4	201	13			297	24
30									57	4	120	8	202	10	29	2			408	24
31													24	3	208	21			232	24
SUM,	236	18	145	22	276	48	271	47	974	110	2997	309	840	88	1096	102	0	0	6775	744
PERCENTAGE,	4	2	2	3	4	6	4	6	14	15	43	42	13	12	16	14	0	0	a	a
AVG. HOURLY VELOCITY,	13.1	a	6.6	a	5.8	a	5.8	a	8.7	a	9.5	a	9.5	a	10.7	a	0	a	9.1	a

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of FEB 1931, 193

Number of Station barometer, 656; sum of corrections, -.026 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-Reg. Ther's. Max. (b)	Self-Reg. Ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	64.0	29.368	.120	29.248	30.20	28.2	26.0	22	75	.113	30.5	28.0	NW	2			0	10	St cu	NW	Cloudy		E.L.H.	1
2	60.0	29.280	.109	29.171	30.11	32.0	30.5	28	85	.150	37.0	32.0	SW	4			0	4 / 6	a St / St cu	W / N	Cloudy		E.L.H.	2
3	72.5	29.410	.143	29.267	30.23	27.8	26.8	25	88	.130	35.5	27.4	SE	6			0	2	Ci St	NE	Clear		E.L.H.	3
4	67.0	29.377	.128	29.249	30.20	28.0	26.8	25	86	.130	47.0	28.0	NW	8			0	1	a St	NW	Clear		E.L.H.	4
5	65.0	29.226	.122	29.104	30.05	26.8	24.5	20	72	.103	32.5	26.8	S	8			0	1	St	SW	Clear		E.L.H.	5
6	62.5	29.330	.116	29.214	30.15	29.4	27.9	25	83	.130	41.5	29.4	NE	7			0	4	Ci St	W	Pt Cloudy		E.L.H.	6
7	70.5	29.102	.136	28.966	29.92	33.8	33.3	33	95	.187	33.8	29.9	NE	6			0.41	10	St	NE	Light Rain		E.L.H.	7
8	71.0	29.310	.138	29.172	30.11	33.0	32.0	31	90	.172	39.0	33.0	SW	6			T	2 / 4	Ci / St	W / SW	Pt cloudy		L.C.S.	8
9	61.0	29.132	.111	29.021	29.97	30.2	28.4	26	80	.136	39.0	30.2	NW	6			0	3	a St	NE	Clear		E.L.H.	9
10	62.0	29.420	.115	29.305	30.26	18.0	17.2	15	87	.081	30.0	18.0	N	8			0.04	2	St cu	N	Clear		E.L.H.	10
11	64.5	29.357	.121	29.236	30.20	22.3	20.8	17	79	.089	26.0	21.4	S	10			0	2	a St	N	Clear		E.L.H.	11
12	69.0	29.208	.133	29.075	30.03	35.0	32.6	29	78	.157	35.0	32.3	S	10			0	10	a St	SW	Cloudy		E.L.H.	12
13	69.5	29.052	.133	28.919	29.86	35.8	35.3	35	95	.203	46.0	35.8	NW	11			0.40	10	St	NW	Cloudy		E.L.H.	13
14	60.0	28.472	.110	29.362	30.33	16.4	15.0	11	76	.066	25.0	15.8	NW	12			T	6	St cu	NW	Pt Cloudy		E.L.H.	14
15	62.5	29.392	.116	29.276	30.25	21.0	20.0	18	86	.093	23.0	19.8	SW	9			0	0	0	0	Clear		E.L.H.	15
16	60.0	29.000	.108	28.892	29.84	37.0	32.5	26	62	.136	38.3	35.4	S	10			0	4 / 2 / 4	a cu / a St / St cu	S / S / SW	Cloudy		E.L.H.	16
17	65.0	28.941	.121	28.820	29.76	35.2	35.0	35	98	.203	35.2	33.8	NE	6			0.17	10 / ~~10~~ / 10	D Fog / ~~St~~ / D Fog	~~NE~~ / NE / O	Foggy		E.L.H.	17
18	67.0	29.210	.127	29.083	30.03	36.2	36.2	36	100	.211	38.2	34.4	N	4			T	10	St	N	Cloudy		E.L.H.	18
19	65.0	29.222	.122	29.100	30.05	33.0	32.0	31	90	.172	36.6	33.0	NW	6			.01	10	St	NW	Light Snow		E.L.H.	19
20	67.0	29.258	.128	29.130	30.08	31.2	30.2	29	89	.157	34.0	31.2	NW	7			.03	10	St	NW	Light Snow		E.L.H.	20
21	73.0	29.482	.144	29.338	30.29	32.0	30.5	28	85	.150	34.6	31.8	N	2			0	10	a St	N	Cloudy		E.L.H.	21
22	68.5	29.472	.132	29.340	30.29	31.0	30.0	29	89	.157	37.0	31.0	SW	4			0	2 / 1	Ci / St	W / SW	Clear		L.C.S.	22
23	63.5	29.320	.119	29.201	30.14	34.2	33.2	32	90	.180	44.5	34.2	E	6			0	10	a St	E	Cloudy		E.L.H.	23
24	73.5	29.330	.145	29.185	30.12	30.2	28.1	25	77	.130	34.0	30.2	E	5			0	6 / 3	a cu / St cu	NE / E	Cloudy		E.L.H.	24
25	71.0	29.266	.138	29.128	30.08	24.4	22.1	17	71	.084	35.8	24.4	N	4			0	0	0	0	Clear		E.L.H.	25
26	70.0	29.387	.136	29.251	30.20	28.8	28.3	28	94	.150	42.2	28.8	W	4			0	10 / 0	D Fog / 0	W / 0	Foggy		E.L.H.	26
27	68.0	29.426	.131	29.295	30.25	28.4	25.4	19	66	.098	40.4	27.4	E	6			0	0	0	0	Clear		E.L.H.	27
28	68.0	29.268	.130	29.138	30.08	34.4	31.8	28	76	.150	44.5	34.4	S	6			0	3 / 2	a St / St	E / S	Pt Cloudy		E.L.H.	28
29																								29
30																								30
31																								31
Sums		(a)	(a)	816.486	843.08	833.7	792.4	723	2342	3.923	(a)	(a)	(a)	183	(a)	(a)	1.06	154	(a)	(a)	(a)		(a)	(a)
Means		(a)	(a)	29.160	30.110	29.8	28.3	25.8	83.6	.140	(a)	(a)	(c) NW	6.5	(a)	(a)	(a)	5.5	U a.St / L St	UW / LNW	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121. "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of FEB 1931, 193

Number of Station barometer, 656; sum of corrections, -.026 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-Reg. Ther's. Max. (b)	Self-Reg. Ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	61.0	29.180	.111	29.069	30.02	37.0	33.2	27	68	.143	38.4	28.2	SW	12			0	10	Stcu	NW	Cloudy			E.L.H.	1
2	74.5	29.502	.148	29.354	30.30	35.5	33.0	30	78	.164	40.5	32.0	E	4			0	0	0	0	Clear			L.C.S	2
3	74.0	29.168	.146	29.022	29.97	47.0	42.5	37	69	.219	56.8	27.8	SW	6			0	0	0	0	Clear			L.C.S.	3
4	69.0	29.344	.133	29.211	30.16	32.5	27.5	18	51	.093	37.0	28.0	NW	3			0	0	0	0	Clear			L.C.S.	4
5	73.5	29.138	.145	28.993	29.94	41.5	36.5	30	62	.164	45.0	26.8	SW	7			0	5	Stcu	SW	Part Cloudy			L.C.S.	5
6	75.5	29.340	.150	29.190	30.14	33.5	31.0	28	76	.150	40.0	29.0	NE	16			0	10	St	NE	Cloudy			L.C.S.	6
7	75.5	29.272	.150	29.122	30.07	37.5	37.0	36	96	.211	38.0	33.8	SE	2			0.07	10 10	Dfog no	SE SE	Light Rain	B 7:30 A E 8:00 A 11:00 P to 11:55 P	5:00 P 10:00 P	L.C.S.	7
8	67.0	29.204	.128	29.076	30.03	39.0	34.0	27	60	.143	46.2	31.8	W	6			0	4	St	SW	Pt Cloudy			L.C.S.	8
9	72.5	29.272	.142	29.130	30.08	30.0	27.0	22	68	.113	35.4	29.0	W	8			0	0	0	0	Clear			L.C.S	9
10	76.0	29.444	.152	29.292	30.26	26.0	23.8	19	73	.098	28.2	17.4	W	6			0	0	0	0	Clear			L.C.S.	10
11	76.0	29.234	.151	29.083	30.04	32.3	31.8	31	95	.172	35.0	22.3	SW	12			.02	10	St	SW	Cloudy			L.C.S.	11
12	75.5	29.102	.149	28.953	29.89	46.0	42.0	37	72	.219	47.0	34.3	S	12			0	10	Stcu	S	Cloudy			L.C.S.	12
13	69.0	29.208	.133	29.075	30.03	25.0	23.0	19	75	.098	35.8	25.0	NW	12			.01	0	0	0	Clear			L.C.S.	13
14	70.5	29.550	.138	29.412	30.38	23.0	20.5	14	66	.077	26.8	16.4	W	6			0	0	0	0	Clear			E.L.H.	14
15	60.0	29.119	.108	29.011	29.96	36.3	31.0	22	54	.113	42.0	21.0	S	11			0	0	0	0	Clear			E.L.H.	15
16	73.0	29.014	.142	28.872	29.82	34.5	34.0	34	95	.195	42.0	33.5	SE	8			0.17	10	Stcu	SE	Light Rain			L.C.S.	16
17	78.0	29.104	.156	28.948	29.90	38.2	38.0	38	98	.226	38.2	34.9	N	12			.01	10 10	St fog St	N	Light Rain	B 10:40 P Cntd	B 5:00 A E 10:40 P	L.C.S.	17
18	72.5	29.264	.142	29.122	30.07	36.6	36.1	36	95	.211	38.2	35.0	N	4			.01	10	St.	N	Light Rain	Cntd E-2:35P		L.C.S.	18
19	72.5	29.226	.142	29.084	30.03	34.0	34.0	34	100	.195	35.5	32.5	W	8			.01	10 10	St fog Sc	D W	Light Rain	B-3:15 E-7:35P		L.C.S.	19
20	77.5	29.376	.156	29.220	30.16	34.6	32.4	29	80	.157	35.6	31.2	NW	7			T	10	Stcu	NW	Cloudy			L.C.S.	20
21	73.0	29.472	.144	29.328	30.28	37.0	34.3	31	77	.172	38.0	32.0	NW	2			0	0	0	0	Clear			L.C.S	21
22	68.0	29.382	.131	29.251	30.20	44.5	40.0	34	68	.195	46.5	30.7	NW	3			0	8	St	NW	Cloudy			L.C.S	22
23	78.0	29.302	.157	29.145	30.09	39.0	36.2	32	78	.180	44.4	34.0	E	6			0	10	St	E	Cloudy			L.C.S.	23
24	76.5	29.252	.153	29.099	30.05	35.8	33.0	29	75	.157	38.5	30.2	NE	5			0	0	0	0	Clear			L.C.S.	24
25	75.5	29.270	.150	29.120	30.07	42.2	39.3	36	76	.211	50.3	24.4	NW	14			0	0	0	0	Clear			L.C.S	25
26	74.0	29.442	.147	29.295	30.25	40.4	34.0	24	50	.124	43.4	28.8	NW	3			0	0	0	0	Clear	B-7:40A E-8:45A	B-10 N.A. E-7:40A	L.C.S	26
27	72.0	29.256	.141	29.115	30.07	44.5	37.5	28	52	.150	48.5	28.4	SE	10			0	0	0	0	Clear			L.C.S	27
28	72.0	29.208	.141	29.067	30.01	46.0	42.0	37	72	.219	59.0	34.4	N	12			0	10	ast	E	Cloudy			E.L.H.	28
29																									29
30																									30
31																									31
Sums		(a)	(a)	815.659	842.27	1029.4	944.6	819	2081	4571	(a)	(a)	(a)	217	(a)	(a)	0.30	137	(a)	(a)	(a)	5	3	(a)	(a)
Means		(a)	(a)	29.131	30.081	36.8	33.7	29.2	74.3	.163	(a)	(a)	(c) NW	7.8	(a)	(a)	(a)	4.9	U 2st L 3t	U E L SE	SW-NW (a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order. †† T indicates trace of precipitation. U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of FEB 1931, 193

Date.	Temperature. Maximum. (b)	Minimum (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b)††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p. m. to 7 p. m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.			In.	In.	In.	In.	In.	
Sunday 1	38	28	10	1	33																0	.08	-.09	-.09	0	0	0	0	1
2	40	30	10	2	35																0	.08	-.08	-.17	0	0	0	0	2
3	57	27	30	7	42																0	.08	-.08	-.25	0	0	0	0	3
4	37	28	9	10	32																0	.08	-.08	-.33	0	0	0	0	4
5	45	27	18	4	36																0	.08	-.08	-.41	0	0	0	0	5
6	40	29	11	2	34																0.17	.08	+.09	-.32	0	0	0	T	6
7	39	30	9	0	34																0.31	.08	+.23	-.09	0	T	0	0	7
8	46	32	14	5	39																0	.08	-.08	-.17	0	0	0	0	8
9	35	25	10	9	30																.02	.08	-.06	-.23	0	0	0	.02	9
10	28	17	11	8	22																.02	.08	-.06	-.29	0	0.4	0.2	.02	10
11	35	21	14	6	28																.02	.08	-.06	-.35	0	0.2	0.4	.02	11
12	47	34	13	12	40																0.26	.08	+.18	-.17	0	0	0	0	12
13	43	18	25	10	30																0.15	.08	+.07	-.10	0	0.1	0	.01	13
14	27	16	11	8	22																T	.08	-.08	-.18	0	T	T	T	14
15	42	21	21	10	32																0	.07	-.07	-.25	0	0	0	0	15
16	42	34	8	6	38																0.29	.07	+.22	-.03	T	1.2	0.4	0.15	16
17	38	34	4	2	36																0.06	.08	-.02	-.05	0	0	0	0	17
18	38	34	4	0	36																0.02	.08	-.06	-.11	0	0	0	0	18
19	36	32	4	2	34																0.03	.09	-.06	-.17	0	T	0	.02	19
20	36	31	5	0	34																0.01	.10	-.09	-.26	0	0.3	0	.01	20
21	38	32	6	1	35																0	.10	-.10	-.36	0	0	0	0	21
22	46	31	15	3	38																0	.10	-.10	-.46	0	0	0	0	22
23	44	34	10	1	39																0	.10	-.10	-.56	0	0	0	0	23
24	38	28	10	6	33																0	.10	-.10	-.66	0	0	0	0	24
25	50	24	26	4	37																0	.09	-.09	-.75	0	0	0	0	25
26	43	29	14	1	36																0	.08	-.08	-.83	0	0	0	0	26
27	48	27	21	2	38																0	.08	-.08	-.91	0	0	0	0	27
28	59	34	25	8	46																T	.08	-.08	-.99	0	0	0	T	28
29																													29
30																													30
31																													31
S	1155	787	368	130	969		Total excess or deficiency since Jan. 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	1.36	2.35	Total excess or deficiency since Jan. 1,	T	2.2	(a)	(a)	(a)	
M	41.2	28.1	13.1	4.6	(a)	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	-2.65	(a)	(a)	(a)	(a)	(a)	

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S^d—dry snow, S^m—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths

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SUMMARY FOR THE MONTH OF FEB 1921, 193

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.005)

STATION.								REDUCED.							
Mean.			Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	Mean.			Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
8 a. m.	8 p. m.	Monthly. (g)						8 a. m.	8 p. m.	Monthly. (g)					
29.160	29.131	29.146	29.412	14	+ 28.810	17	0.602	30.110	30.081	30.096	30.38	14	+ 29.75	17	0.63
Corrected mean		29.141						Corrected mean		30.091	+ From barograph trace				

TEMPERATURE.

Mean. Dry. 8 a. m.	Dry. 8 p. m.	Dry. (8+8)÷2 (g)	Wet. 8 a. m.	Wet. 8 p. m.	Wet. Monthly. (g)	Max.	Min.	Monthly. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
29.8	36.8	33.3	28.3	33.7	31.0	41.2	28.1	34.6	59	28	16	14	43	30	3	4	19

Dew-point. 8 a. m.	Dew-point. 8 p. m.	Dew-point. Monthly. (g)	Relative Humidity. 8 a. m.	Relative Humidity. 8 p. m.	Relative Humidity. Monthly. (g)	Vapor Pressure. 8 a. m.	Vapor Pressure. 8 p. m.	Vapor Pressure. Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	Maximum. 90° or above.	Minimum. 32° or below.	Minimum. Zero or below.
25.8	29.2	27.5	83.6	74.3	79.0	.140	.163	.152	2	0	22	0

Clouds.

Most frequent clouds: Stratus

Most frequent direction upper clouds: West

Most frequent direction lower clouds: Northwest

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
5416	8.1	NW	25	NW	13	7	5	5	4	7	8	6	14	0

WEATHER.

Mean Cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of Days. Clear.	Partly cloudy.	Cloudy.	Number of Days with Precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
5.5	4.9	6.2	53	6	9	13	0	2	10

MISCELLANEOUS PHENOMENA.

Dates of—(Midnight to Midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (33 miles or over.)	Solar Halos.	Lunar Halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
–	–	–	0	0	0	28	7, 17, 18, 19, 26	7, 17, 26.	0	0	0	0	0	0

PRECIPITATION (in inches and hundredths). (m)

Total amount	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
1.36	0.48	6-7	–	–	–	–	–	–	2	12		3	0	14	10	7	2.2	0

(w) Maximum precipitation in 5 minutes_____, date_____; 10 minutes_____, date_____; 15 minutes_____, date_____

30 minutes_____, date_____; 1 hour_____, date_____; 2 hours_____, date_____

EXCESSIVE.

Tipping bucket gage not in use.

Date.	Total Duration. From—	To—	Total amount of precipitation.	Excessive Rate. Began—	Ended—	Amt. before excessive began.	Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
									None											

* The duration is the time precipitation was actually recorded.

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Prepared by E. L. Hardy

Earle L. Hardy, Meteorologist, Weather Bureau.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of FEB 1931, 193

Number of Station barometer, 656; sum of corrections, -.026 inch.

Date.	Time. 75th mer.	Time. Local (standard).	Barometer. Attached thermometer	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity.†	Wind. Max. since last observation.	Wind. Direction.	Precipitation.††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
								Extremes of pressure.																	
17	5 00 a	4 00 a				28.810	29.75	35.0															Fog		17

8—154 If additional space is required, rule a sheet similar to this, and paste to this margin. †By dial when self-register is out of order. ††T indicates trace of precipitation.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of FEB 1931, 193

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1									5	1	181	16			39	7			225	24
2			25	3	86	12					45	6	14	3					170	24
3					10	2	28	6	10	1	105	11			51	4			204	24
4	42	5											4	1	109	18			155	24
5									49	7	145	16			5	1			199	24
6	21	3	65	6	155	12									18	3			259	24
7	6	1	17	3	73	7	3	1	4	1	5	1	47	9	7	1			162	24
8											79	8	95	12	27	4			201	24
9	14	1											75	9	103	14			192	24
10	98	10									13	2	43	8	24	4			178	24
11									207	19	52	5							259	24
12									177	17	73	7							250	24
13											57	5	38	3	234	16			329	24
14											28	4	22	3	241	17			291	24
15									34	3	242	21							276	24
16					6	1	37	6	54	6	111	11							208	24
17	59	8	58	9	43	7													160	24
18	117	24																	117	24
19	24	5											34	5	95	14			153	24
20	6	1													183	23			189	24
21	45	11									5	1	12	3	44	9			106	24
22					5	1					49	9	38	5	37	9			129	24
23			57	9	87	15													144	24
24			71	11	72	13													143	24
25	30	6	16	4	14	4									85	10			145	24
26	13	3											25	5	103	16			141	24
27			10	2	53	7	177	15											240	24
28	101	9							73	11	5	1	12	3					191	24
29																				
30																				
31																				
SUM,	576	87	319	47	604	81	245	28	613	66	1195	124	459	69	1405	170	0	0	5416	672
PERCENTAGE,	11	13	6	7	11	12	5	4	11	10	22	19	8	10	26	25	0	0	a	a
AVG. HOURLY VELOCITY,	6.6	a	6.8	a	7.5	a	8.8	a	9.3	a	9.6	a	6.7	a	8.3	a	0	a	8.1	a

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of MAR 1931, 193

Number of Station barometer, 656; sum of corrections, −.026 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-Reg. Ther's. Max. (b)	Self-Reg. Ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	64.0	29.308	.120	29.188	30.13	28.8	26.3	22	72	.113	46.0	28.8	N	15			T	10	St	N	Cloudy		E.L.H.	1
2	61.0	29.300	.112	29.188	30.14	22.8	20.3	14	66	.077	32.4	21.8	NW	2			0	4 1	a St St	N E	Pt Cloudy		E.L.H.	2
3	71.0	28.980	.137	28.843	29.78	30.2	28.2	25	78	.130	34.6	30.2	E	4			0	10	St	E	Cloudy		E.L.H.	3
4	69.0	28.830	.131	28.699	29.64	29.2	28.7	28	94	.150	37.3	29.2	W	4			.06	10	St	W	Cloudy		E.L.H.	4
5	65.5	29.238	.123	29.115	30.07	27.6	26.6	25	88	.130	34.0	25.8	W	3			0	9	St Cu	NW	Cloudy		E.L.H.	5
6	65.0	29.300	.122	29.178	30.13	26.8	24.8	21	76	.108	30.6	26.2	NE	6			0	6 3	Ci St St	SW E	Cloudy		E.L.H.	6
7	69.0	29.072	.132	28.940	29.89	26.6	25.2	24	90	.124	34.5	26.0	NE	16			T	10	St	NE	Light Snow		E.L.H.	7
8	71.5	28.496	.136	28.360	29.29	29.8	29.3	29	95	.157	32.5	29.8	SW	5			.06	10	St	SW	Light Snow		L.C.S.	8
9	60.0	28.744	.107	28.637	29.57	26.0	25.0	23	88	.118	30.8	26.0	NW	16			.01	4 6	Ci St St Cu	NW NW	Cloudy		E.L.H.	9
10	64.0	29.132	.119	29.013	29.96	26.8	25.3	23	82	.118	28.5	26.6	NW	12			T	10	St	NW	Light Snow		E.L.H.	10
11	66.0	29.282	.125	29.157	30.12	23.6	22.0	18	79	.093	27.9	21.8	NW	6			T	4 6	St Cu St	NW NW	Cloudy		E.L.H.	11
12	65.0	29.418	.123	29.295	30.26	19.1	18.5	17	91	.089	30.0	18.9	W	4			T	3 10	Ci St St Cu	SW W	Clear		E.L.H.	12
13	68.0	29.416	.131	29.285	30.23	31.8	29.8	27	79	.143	38.5	27.8	W	4			0	4 6	St Cu a Cu	W E	Cloudy		E.L.H.	13
14	70.0	29.280	.136	29.144	30.09	33.8	31.8	29	81	.157	38.2	33.3	NE	8			T	4	St Cu	NE	Cloudy		E.L.H.	14
15	70.0	29.340	.136	29.204	30.14	31.0	29.5	27	84	.143	35.8	30.4	NW	4			0	10	a St	N	Cloudy		E.L.H.	15
16	64.0	29.382	.120	29.262	30.22	29.2	27.7	25	83	.130	32.8	28.8	NW	6			T	3 7	a St St Cu	NW NW	Cloudy		E.L.H.	16
17	67.0	29.442	.128	29.314	30.27	30.2	29.2	27	89	.143	32.3	29.9	NW	6			0	10	St Cu	NW	Cloudy		E.L.H.	17
18	69.5	29.243	.134	29.109	30.06	31.8	29.8	27	79	.143	35.0	31.6	SE	8			0	6 4	a St St Cu	N SE	Cloudy		E.L.H.	18
19	67.0	29.160	.127	29.033	29.94	30.0	29.5	29	95	.157	33.0	30.0	N	12			0.11	10	St	N	Cloudy		E.L.H.	19
20	64.0	29.400	.120	29.280	30.24	26.8	25.8	24	88	.124	33.7	26.8	0	0			0	0	0	0	Clear		E.L.H.	20
21	71.0	29.338	.138	29.200	30.14	33.0	31.5	29	85	.157	41.8	31.1	E	6			0	10	a St	SE	Cloudy		E.L.H.	21
22	65.5	29.170	.123	29.047	29.99	34.7	32.0	28	75	.150	43.1	34.7	N	9			0	2 3 3	Ci a Cu St	E E N	Cloudy		L.C.S.	22
23	63.5	29.150	.118	29.032	29.97	36.4	34.2	31	81	.172	48.0	33.0	E	2			0	0	0	0	Clear		E.L.H.	23
24	72.0	28.762	.139	28.623	29.53	45.1	43.4	42	88	.266	52.0	45.1	SE	10			.02	10	St	SE	Light Rain		E.L.H.	24
25	70.0	28.880	.135	28.745	29.67	36.2	35.4	35	93	.203	39.1	34.9	W	10			.05	10	St Cu	W	Light Rain		E.L.H.	25
26	68.0	29.490	.131	29.359	30.32	35.2	33.7	31	86	.172	37.2	34.1	NE	10			0	10	St Cu	N	Cloudy		E.L.H.	26
27	69.0	29.350	.133	29.217	30.16	36.8	35.3	33	87	.187	37.4	35.1	E	8			T	10	St	E	Light Rain		E.L.H.	27
28	71.0	28.821	.136	28.685	29.60	49.4	44.0	38	65	.228	49.8	40.3	S	12			0.37	2	Cu	SW	Clear		E.L.H.	28
29	69.0	29.072	.132	28.940	29.89	29.4	28.9	23	94	.150	31.4	29.4	SW	24			T	10	St	SW	Light Snow		E.L.H.	29
30	62.5	29.314	.116	29.202	30.15	32.6	31.0	28	84	.150	32.6	28.9	W	9			T	10	St Cu	NW	Cloudy		E.L.H.	30
31	69.0	29.268	.132	29.135	30.09	32.1	30.9	29	88	.157	40.0	29.9	N	8			0	10	a Cu	N	Cloudy		E.L.H.	31
Sums		(a)	(a)	900.429	929.72	962.2	913.6	836	2603	4.539	(a)	(a)	(a)	249	(a)	(a)	0.68	266	(a)	(a)	(a)		(a)	(a)
Means		(a)	(a)	29.046	29.991	31.0	29.5	27.0	84.0	.146	(a)	(a)	(c) NW	8.0	(a)	(a)	(a)	8.6	U a St L St	U N L NW	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121. "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of MAR 1931, 193

Number of Station barometer, 656; sum of corrections, −.026 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-Reg. Ther's. Max. (b)	Self-Reg. Ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	67.0	29.321	.128	29.193	30.14	32.4	28.4	21	60	.108	37.8	28.8	NW	8			0	0	0	0	Clear			E.L.H.	1
2	73.0	29.134	.143	28.991	29.94	34.6	30.6	25	63	.130	37.8	22.8	W	5			0	8	acu	W	Cloudy			L.C.S.	2
3	74.0	28.866	.144	28.722	29.66	37.3	33.0	27	64	.143	38.8	29.8	SW	4			T	10	ast	W	Cloudy			L.C.S.	3
4	72.0	29.016	.140	28.876	29.83	34.0	31.0	27	72	.143	35.0	28.2	NW	6			.01	8	stcu	NW	Cloudy			L.C.S.	4
5	73.0	29.290	.143	29.147	30.10	30.6	29.1	27	84	.143	36.3	27.6	W	5			T	10	st	W	Cloudy			L.C.S.	5
6	74.0	29.282	.146	29.136	30.09	34.5	30.5	24	63	.124	36.8	26.8	NE	10			0	0	0	0	Clear			L.C.S.	6
7	77.0	28.614	.151	28.463	29.39	31.8	31.5	31	97	.172	31.8	25.1	NE	10			0.84	10	st	NE	Light Snow			L.C.S.	7
8	69.0	28.586	.130	28.456	29.39	30.8	30.8	31	100	.172	33.0	29.8	NW	13			.04	10	st	NW	Light Snow			L.C.S.	8
9	68.0	29.008	.129	28.879	29.84	28.5	26.5	23	78	.118	30.0	26.0	NW	30			.03	10	st	NW	Light Snow			L.C.S.	9
10	75.0	29.208	.149	29.059	30.02	27.1	25.6	23	82	.118	29.2	26.8	NW	12			T	10	st	NW	Light Snow			L.C.S.	10
11	75.0	29.354	.149	29.205	30.16	30.0	28.8	27	87	.143	30.0	23.6	W	9			T	10	stcu	W	Light Snow			L.C.S.	11
12	74.0	29.436	.147	29.289	30.25	38.5	32.3	23	50	.118	39.4	19.1	NW	2			0	3	stcu	NW	Clear	B 9:00 A E 9:40 A	B 8:10 A E 9:00 A	L.C.S.	12
13	75.5	29.334	.150	29.184	30.12	38.2	36.7	34	87	.195	40.4	31.8	E	7			T	10	st	E	Light Rain	B 5:50 A E 8:40 A		L.C.S.	13
14	77.5	29.361	.155	29.206	30.15	35.8	33.3	30	78	.164	38.1	33.8	N	5			T	10	stcu	N	Cloudy			E.L.H.	14
15	70.0	29.370	.136	29.234	30.18	32.8	32.0	31	92	.172	36.8	31.0	NW	8			T	9	stcu	NW	Light Snow			E.L.H.	15
16	72.5	29.420	.143	29.277	30.24	32.3	29.8	26	75	.136	33.4	29.0	NW	5			T	5 5	acu stcu	N NW	Cloudy			L.C.S.	16
17	74.0	29.358	.146	29.212	30.15	35.0	32.2	28	75	.150	36.1	30.2	S	5			0	3 7	ast stcu	SW S	Cloudy			L.C.S.	17
18	76.0	29.054	.150	28.904	29.85	33.0	33.0	33	100	.187	33.8	31.8	E	11			0.22	10	st	E	Moderate Snow			L.C.S.	18
19	72.6	29.332	.141	29.191	30.14	33.7	31.7	29	81	.157	34.1	28.8	N	8			T	4 6	ast st	N N	Cloudy			L.C.S.	19
20	75.0	29.384	.150	29.234	30.17	41.8	36.8	30	62	.164	43.3	26.8	E	6			0	2 3 1	acu cu acu	E E E	Pt Cloudy			L.C.S.	20
21	72.0	29.206	.141	29.067	30.01	43.1	38.0	31	62	.172	51.0	33.0	NE	9			0	1 2	cu acu	NE E	Clear			L.C.S.	21
22	67.5	29.124	.128	28.996	29.94	48.0	41.0	32	54	.180	51.9	34.7	NE	4			0	1 3	stcu ast	NE W	Clear			L.C.S.	22
23	76.0	29.018	.150	28.868	29.80	52.0	42.5	31	44	.172	54.6	36.4	SE	7			0	3	cu	SE	Pt Cloudy			L.C.S.	23
24	77.5	28.732	.153	28.579	29.50	39.1	38.3	38	94	.228	49.9	39.1	SW	10			.02	10	stcu	SW	Light Rain			L.C.S.	24
25	73.0	29.258	.143	29.115	30.07	37.2	35.3	32	84	.180	39.8	35.9	NW	12			T	10	stcu	NW	Cloudy			L.C.S.	25
26	73.0	29.452	.144	29.308	30.26	37.4	35.8	33	86	.187	40.6	34.8	NE	12			0	10	stcu	NE	Cloudy			L.C.S.	26
27	73.0	29.138	.143	28.995	29.94	40.3	39.8	39	96	.237	40.3	36.8	NE	12			0.12	10	st	NE	Light Rain			L.C.S.	27
28	77.0	28.752	.152	28.800	29.73	31.4	30.0	28	85	.150	49.4	31.4	SW	24			T	10	st	SW	Light Snow			E.L.H.	28
29	65.0	29.200	.123	29.077	30.03	30.0	28.5	26	84	.136	30.8	29.4	W	12			T	10	st	W	Cloudy			E.L.H.	29
30	73.0	29.336	.143	29.193	30.13	40.0	36.8	33	74	.187	41.1	32.6	NW	6			0	9	stcu	NW	Cloudy			E.L.H.	30
31	75.0	29.030	.148	28.882	29.83	40.1	35.6	29	64	.157	44.0	32.1	NE	11			0	2 5	acu stcu	E NE	Pt Cloudy			L.C.S.	31
Sums		(a)	(a)	899738	92905	11113	10252	902	2377	4443	(a)	(a)	(a)	288	(a)	(a)	1.28	250	(a)	(a)	(a)	2	1	(a)	(a)
Means		(a)	(a)	29.024	29.969	35.8	33.1	29.1	76.7	.159	(a)	(a)	(c) NW	9.3	(a)	(a)	(a)	8.1	U acu L stcu	U E L NW	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of MAR 1931, 193

Date.	Temperature: Maximum. (b)	Minimum (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation: Character. ‡	Beginning.	Ending.	Character ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b)††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
Sunday 1	38	25	13	14	32																T	.09	-.09	-.09	0	T	0	T	1
2	38	22	16	2	30																0	.08	-.08	-.17	0	0	0	0	2
3	39	30	9	4	34																.04	.08	-.04	-.21	0	T	0	.04	3
4	35	28	7	2	32																.03	.09	-.06	-.27	0	1.1	0	.03	4
5	36	26	10	1	31																T	.09	-.09	-.36	0	T	T	T	5
6	37	26	11	1	32																0	.10	-.10	-.46	0	0	0	0	6
7	32	25	7	4	28																0.88	.09	+.79	+.33	0.5	5.5	5.0	0.88	7
8	33	26	7	2	30																.07	.10	-.03	+.30	0	1.0	4.2	.07	8
9	30	26	4	2	28																.03	.10	-.07	+.23	0	0.6	4.2	.03	9
10	29	25	4	1	27																T	.10	-.10	+.13	0	T	4.2	T	10
11	30	22	8	1	26																T	.11	-.11	+.02	0	T	4.2	T	11
12	39	19	20	3	29																0	.12	-.12	-.10	0	T	2.5	0	12
13	40	28	12	5	34																T	.13	-.13	-.23	0	T	1.8	T	13
14	38	33	5	2	36																T	.12	-.12	-.35	0	T	1.0	T	14
15	37	30	7	2	34																T	.12	-.12	-.47	0	T	T	T	15
16	33	29	4	3	31																T	.11	-.11	-.58	0	T	T	T	16
17	36	30	6	2	33																0	.11	-.11	-.69	0	0	T	0	17
18	34	32	2	0	33																0.31	.10	+.21	-.48	0	2.2	0.8	0.31	18
19	34	29	5	1	32																.02	.10	-.08	-.56	0	1.1	T	.02	19
20	43	27	16	3	35																0	.10	-.10	-.66	0	0	T	0	20
21	51	31	20	6	41																0	.10	-.10	-.76	0	0	T	0	21
22	52	35	17	3	44																0	.11	-.11	-.87	0	0	T	0	22
23	55	33	22	0	44																.01	.11	-.10	-.97	0	0	0	0	23
24	50	37	13	0	44																.06	.11	-.05	-1.02	0	0	0	0	24
25	40	35	5	6	38																.02	.12	-.10	-1.12	0	0	0	0	25
26	41	34	7	0	38																0	.11	-.11	-1.23	0	0	0	0	26
27	41	36	5	0	38																0.23	.10	+.13	-1.10	0	0	0	0	27
28	50	31	19	2	40																0.26	.10	+.16	-.94	0	T	0	T	28
29	31	29	2	10	30																T	.10	-.10	-1.04	0	T	0	T	29
30	41	29	12	5	35																T	.11	-.11	-1.15	0	0	0	0	30
31	44	30	14	2	37																0	.11	-.11	-1.26	0	0	0	0	31
S	1207	898	309	89	1056		Total excess or deficiency since Jan. 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	1.96	3.22	Total excess or deficiency since Jan. 1,	0	11.5	(a)	(a)	(a)
M	38.9	29.0	10.0	2.9	(a)	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	-3.91	(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S^d—dry snow, S^m—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths

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SUMMARY FOR THE MONTH OF MAR 1931, 193

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.005)

STATION.								REDUCED.							
Mean.			Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	Mean.			Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
8 a. m.	8 p. m.	Monthly. (g)						8 a. m.	8 p. m.	Monthly. (g)					
29.046	29.024	29.035	x 29.400	26	x 28.340	8	1.060	29.991	29.969	29.980	x 30.36	26	x 29.27	8	1.09
Corrected mean		29.030						Corrected mean		29.975	x From barograph trace.				

TEMPERATURE.

Mean. Dry. 8 a. m.	Dry. 8 p. m.	Dry. (8+8)÷2 (g)	Wet. 8 a. m.	Wet. 8 p. m.	Wet. Monthly. (g)	Max.	Min.	Monthly. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
31.0	35.8	33.4	29.5	33.1	31.3	38.9	29.0	34.0	55	23	19	12	36	22	23	2	29

Dew-point. 8 a. m.	Dew-point. 8 p. m.	Dew-point. Monthly. (g)	Relative humidity. 8 a. m.	Relative humidity. 8 p. m.	Relative humidity. Monthly. (g)	Vapor pressure. 8 a. m.	Vapor pressure. 8 p. m.	Vapor pressure. Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	Maximum. 90° or above.	Minimum. 32° or below.	Minimum. Zero or below.
27.0	29.1	28.0	84.0	76.7	80.4	146	159	152	5	0	24	0

Clouds.

Most frequent clouds: Strato-cumulus

Most frequent direction upper clouds: East

Most frequent direction lower clouds: Northwest

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
6968	9.4	NW	31	NW	9	6	11	7	3	2	5	10	17	1

Number of times wind observed from the—

WEATHER.

Mean Cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of Days. Clear.	Partly cloudy.	Cloudy.	Number of Days with Precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
8.6	8.1	8.4	28	3	4	24	1	0	11

MISCELLANEOUS PHENOMENA.

Dates of—(Midnight to Midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (33 miles or over.)	Solar Halos.	Lunar Halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
—	—	—	0	0	0	31	12-13	12	0	0	0	0	0	0

PRECIPITATION (in inches and hundredths). (m)

Total amount	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
1.96	0.90	7+8	—	—	—	—	—	—	10	12	7	3	0	22	17	7	11.5	0

(w) Maximum precipitation in 5 minutes....., date.....; 10 minutes....., date.....; 15 minutes....., date.....

30 minutes....., date.....; 1 hour....., date.....; 2 hours....., date.....

Tipping bucket not in use

EXCESSIVE.

Date.	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amt. before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
									None											

* The duration is the time precipitation was actually recorded.

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Prepared by E. L. Hardy

Erle L. Hardy, Meteorologist, Weather Bureau.

(9)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of MAR 1931, 193

Number of Station barometer, 656; sum of corrections, -.026 inch.

Date.	Time. 75th mer.	Time. Local (standard).	Barometer. Attached thermometer	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
7	1:00	12:00 n	75.0	28.810	.17	28.663	29.60	28.0	28.0	28	0	100	28.0	NE	22	22	NE	.029	10	St	NE	Moderate Snow		E.L.H.	
Extremes of pressure																									
26	11:00 am	10:00 am				29.400	30.36	37.0															Highest		26
8	11:00 am	10:00 am				28.340	29.27	30.0															Lowest		8

8—154 If additional space is required, rule a sheet similar to this, and paste to this margin. †By dial when self-register is out of order. ††T indicates trace of precipitation.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of MAR 1931, 193

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1	210	15													77	9			287	24
2											16	3	76	13	35	8			127	24
3					30	7	12	3	6	1	37	8	18	5					103	24
4	8	1					16	7					20	2	93	14			137	24
5													106	18	40	6			146	24
6	9	2	80	10	53	8							12	3	3	1			157	24
7			305	19	40	5													345	24
8							5	1	51	6	45	6	8	1	138	10			247	24
9															486	24			486	24
10													154	10	197	14			351	24
11													92	10	114	14			206	24
12													86	17	28	7			114	24
13			49	6	78	10	7	1					10	6			0	1	144	24
14	43	8	116	11	45	5													204	24
15	31	7											6	1	141	16			178	24
16	55	9													126	15			181	24
17	11	4					28	4	20	4	12	3	10	2	31	7			112	24
18			33	3	117	12	79	9											229	24
19	238	21	41	3															279	24
20	7	1	24	5	86	14											0	4	117	24
21			153	15	67	9													220	24
22	84	9	84	13	4	2													172	24
23			24	8	39	7	74	9											137	24
24					11	1	96	8	10	1	171	14							288	24
25	9	1									33	4	61	5	200	14			303	24
26	31	4	46	7	153	13													230	24
27			28	3	260	21													288	24
28					42	3	36	2	59	4	284	15							421	24
29											72	5	236	19					308	24
30													90	9	128	15			218	24
31	18	3	165	14	31	3									19	4			233	24
SUM,	754	85	1148	117	1056	120	353	44	146	16	670	58	985	121	1856	178	0	5	6968	744
PERCENTAGE,	11	11	16	16	15	16	5	6	2	2	10	8	14	16	27	24	0	1	a	a
AVG. HOURLY VELOCITY,	8.9	a	9.8	a	8.8	a	8.0	a	9.1	a	11.6	a	8.1	a	10.4	a	0	a	9.4	a

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of APR 1931, 193

Number of Station barometer, 656; sum of corrections, −.026 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-Reg. Ther's. Max. (b)	Self-Reg. Ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	68.0	28.774	.129	28.645	29.58	35.0	32.5	29	77	.157	40.1	34.1	N	14			T	10	St	N	Cloudy		E.L.H.	1
2	67.0	28.880	.127	28.753	29.69	33.4	31.4	28	80	.150	33.8	31.8	W	6			.02	2	Ci	SW	Clear		E.L.H.	2
3	74.0	28.960	.145	28.815	29.74	38.0	37.5	37	96	.219	47.7	37.8	E	10			.047	10	St	E	Cloudy		E.L.H.	3
4	70.0	29.330	.136	29.194	30.13	36.0	32.5	27	69	.143	40.3	32.9	NW	4			0	0	0	0	Clear		E.L.H.	4
5	67.0	29.482	.128	29.354	30.30	36.0	32.3	27	67	.143	50.4	34.0	NE	5			0	1	a cu	E	Clear		L.C.S.	5
6	64.0	29.490	.120	29.370	30.32	35.0	31.0	25	64	.130	47.3	33.2	NE	6			T	2 2	a cu cu	NE NE	Pt Cloudy		E.L.H.	6
7	69.5	29.352	.134	29.218	30.16	35.0	30.5	23	59	.118	44.4	31.8	NW	4			0	1	a cu	W	Clear		L.C.S.	7
8	73.5	29.118	.144	28.974	29.90	44.0	38.5	31	61	.172	52.7	42.6	S	10			0	0	0	0	Clear		L.C.S.	8
9	71.0	29.116	.137	28.979	29.90	54.8	51.3	49	79	.347	72.0	53.0	S	9			0	3	Ci	W	Clear		L.C.S.	9
10	70.0	29.156	.135	29.021	29.95	45.4	44.9	44	96	.287	68.1	45.4	N	10			0.46	10	St Cu	N	Light Rain		L.C.S.	10
11	68.5	29.470	.132	29.338	30.28	43.0	39.0	34	70	.195	57.1	41.9	W	7			0	0	0	0	Clear		L.C.S.	11
12	67.0	29.598	.128	29.470	30.41	47.7	42.7	37	67	.219	54.6	41.2	SE	2			0	0	0	0	Clear		P.A.L.	12
13	68.0	29.414	.131	29.283	30.21	54.4	48.4	42	65	.266	68.6	52.6	S	8			0	1	Ci	S	Clear		L.C.S.	13
14	71.0	29.450	.139	29.311	30.24	47.0	43.5	40	76	.247	71.3	45.6	SW	6			0	1	Ci	W	Clear		L.C.S.	14
15	68.0	29.434	.134	29.300	30.24	43.8	40.0	35	72	.203	57.1	41.9	E	7			0	8	a cu	E	Cloudy		L.C.S.	15
16	67.5	29.402	.130	29.272	30.21	44.6	40.6	36	71	.211	61.7	42.8	E	6			0	2	a cu	E	Clear		L.C.S.	16
17	69.5	29.352	.134	29.218	30.14	53.0	52.0	51	94	.373	70.2	51.3	NW	5			0.10	5 5	Ci St St	N NW	Cloudy		L.C.S.	17
18	69.0	29.408	.134	29.274	30.21	48.3	44.3	40	73	.247	60.2	45.8	E	6			0	1	Ci	E	Clear		L.C.S.	18
19	70.0	29.292	.136	29.156	30.08	51.0	45.0	39	63	.237	66.0	45.1	SE	4			0	3	Ci	E	Clear		L.C.S.	19
20	72.0	29.218	.141	29.077	30.00	62.1	57.3	54	75	.417	72.6	58.0	S	7			.03	8	a cu	S	Cloudy		L.C.S.	20
21	73.0	29.050	.142	28.908	29.82	62.0	58.2	55	80	.432	67.1	59.8	SE	17			.05	10	St Cu	SE	Cloudy		L.C.S.	21
22	67.5	29.222	.129	29.093	30.03	38.3	36.5	34	85	.195	47.1	38.3	W	10			.06	10	St Cu	W	Cloudy		L.C.S.	22
23	61.5	29.490	.114	29.376	30.34	33.7	30.0	24	65	.124	35.6	31.8	NW	13			0	3	a cu	W	Clear		L.C.S.	23
24	64.5	29.332	.121	29.211	30.15	39.0	37.5	36	88	.211	43.9	38.3	SW	3			.01	10	St Cu	SW	Cloudy		L.C.S.	24
25	65.5	29.164	.123	29.041	29.98	44.0	43.5	43	96	.277	44.0	41.8	SE	3			0.12	10	St	SE	St Rain		L.C.S.	25
26	65.0	28.891	.121	28.770	29.69	39.1	37.1	34	84	.195	47.0	39.1	W	12			0.24	4 6	cu St Cu	NW NW	Cloudy		E.L.H.	26
27	57.5	29.260	.103	29.157	30.10	34.8	32.0	28	74	.150	38.1	33.9	W	4			0	10	St Cu	NW	Cloudy		E.L.H.	27
28	62.0	29.180	.114	29.066	30.01	36.8	34.2	31	78	.172	38.3	31.5	SW	8			0	0	0	0	Clear		E.L.H.	28
29	65.0	29.162	.122	29.040	29.97	41.2	35.7	28	58	.150	58.7	40.0	N	12			0	4 3	a cu cu	N N	Part Cloudy		E.L.H.	29
30	66.0	29.420	.126	29.294	30.23	40.8	36.3	30	65	.164	49.3	33.8	NE	6			0	0	0	0	Clear		E.L.H.	30
31																								31
Sums		(a)	(a)	873.978	902.01	1297.2	1196.2	1071	2247	6551	(a)	(a)	(a)	224	(a)	(a)	1.56	1.46	(a)	(a)	(a)		(a)	(a)
Means		(a)	(a)	29.133	30.067	43.2	39.9	35.7	74.9	.218	(a)	(a)	(c) W	7.5	(a)	(a)	(a)	4.9	U a cu L St Cu	U E L N	W		(a)	(a)

Reference letters in this form refer to paragraph 121. "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of APR 1931, 193

Number of Station barometer, 656; sum of corrections, -.026 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 P. M. 90TH MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-Reg. Ther's. Max. (b)	Self-Reg. Ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	74.5	28.720	.145	28.575	29.51	33.6	33.3	33	95	.85	37.3	31.7	N	13			0.17	10	stcu	N	Light Snow			L.C.S.	1
2	73.0	28.970	.142	28.828	29.76	47.7	39.7	29	48	.157	52.4	33.4	SW	5			0	2	acu	W	Clear			L.C.S.	2
3	72.0	29.078	.140	28.938	29.88	40.3	38.8	37	88	.219	40.3	35.0	N	7			T	10	st	N	Cloudy			L.C.S.	3
4	70.0	29.398	.136	29.262	30.20	50.4	44.6	38	64	.228	52.9	36.0	N	4			0	2 3	acu stcu	N N	Pt Cloudy			L.C.S.	4
5	66.0	29.428	.126	29.302	30.25	47.3	40.8	33	57	.187	52.3	36.0	N	10			T	8	stcu	N	Cloudy			L.C.S.	5
6	73.5	29.396	.146	29.250	30.20	44.4	37.2	27	50	.143	49.0	35.6	N	8			0	0	0	0	Clear			L.C.S.	6
7	72.0	29.188	.141	29.047	29.99	52.7	42.2	29	40	.157	56.8	35.0	SW	4			0	3 2	cist stcu	W W	Pt Cloudy			P.A.L.	7
8	72.0	29.056	.140	28.916	29.84	72.0	57.5	46	40	.310	77.1	44.0	SW	4			0	2 3	ast stcu	W W	Pt Cloudy			P.A.L.	8
9	73.5	29.056	.144	28.912	29.83	68.1	57.6	50	53	.360	77.2	54.8	SW	12			0	8	ast	SW	Cloudy			P.A.L.	9
10	71.5	29.218	.139	29.079	30.01	57.1	47.6	38	49	.228	61.2	45.4	SW	8			.08	5	stcu	W	Pt Cloudy			P.A.L.	10
11	69.0	29.542	.134	29.408	30.35	54.6	43.6	30	39	.164	59.2	43.0	NW	3			0	0	0	0	Clear			P.A.L.	11
12	69.0	29.472	.134	29.338	30.27	68.6	55.1	44	42	.287	75.4	47.7	S	8			0	0	0	0	Clear			P.A.L.	12
13	72.0	29.352	.141	29.211	30.13	71.3	56.3	44	38	.287	78.9	54.4	SW	5			0	2	ci	W	Clear			E.L.H.	13
14	71.0	29.426	.139	29.287	30.23	57.1	44.6	29	34	.157	71.2	47.0	NE	8			0	9	ast	NE	Cloudy			P.A.L.	14
15	69.5	29.372	.134	29.238	30.17	61.7	47.2	30	31	.164	73.3	43.8	E	8			0	3	cist	S	Clear			P.A.L.	15
16	70.5	29.306	.137	29.169	30.10	70.2	56.2	45	40	.298	74.4	44.6	NE	3			T	8	stcu	W	Cloudy			P.A.L.	16
17	72.0	29.338	.141	29.197	30.13	60.2	46.2	29	31	.157	74.2	53.0	NW	11			0	0	0	0	Clear			P.A.L.	17
18	71.5	29.283	.139	29.144	30.07	66.0	50.5	35	31	.203	70.3	48.3	E	4			0	0	0	0	Clear			E.L.H.	18
19	72.0	29.190	.141	29.049	29.97	72.6	57.5	46	39	.310	78.1	51.0	S	4			0	4	st	S	Pt Cloudy			L.C.S.	19
20	74.0	29.208	.146	29.062	29.98	67.1	61.1	57	71	.465	74.3	62.1	S	9			T	4 5	cist stcu	S S	Light Rain			P.A.L.	20
21	72.0	29.192	.141	29.051	29.98	47.1	44.7	42	84	.266	62.0	46.0	SW	6			0.67	10	stcu	W	Cloudy			P.A.L.	21
22	69.0	29.426	.134	29.294	30.24	35.1	31.6	26	68	.136	41.8	35.1	NW	18			T	10	stcu	W	Cloudy			P.A.L.	22
23	71.0	29.408	.139	29.269	30.22	43.9	36.9	27	51	.143	46.2	33.7	NW	4			0	10	ast	W	Cloudy			P.A.L.	23
24	69.0	29.252	.133	29.119	30.06	43.8	42.3	41	89	.256	46.2	39.0	NW	3			T	10	st	W	Light Rain			P.A.L.	24
25	72.0	29.010	.140	28.870	29.80	47.0	46.5	46	96	.310	48.9	44.0	S	2			0.17	10	nb	SW	Light Rain			E.L.H.	25
26	60.0	29.190	.109	29.081	30.02	38.1	33.1	26	59	.136	42.9	34.2	NW	12	34	NW	.02	2	cu	W	Clear			E.L.H.	26
27	70.0	29.314	.136	29.178	30.12	38.3	33.8	27	63	.143	38.7	34.8	SW	6			T	2 1	st acu	SW W	Clear			L.C.S.	27
28	67.0	28.920	.127	28.793	29.71	58.7	47.7	36	43	.211	64.0	36.8	SW	13			0	3	stcu	SW	Part Cloudy			L.C.S.	28
29	70.5	29.276	.137	29.139	30.08	49.3	40.8	30	46	.164	53.8	41.2	NW	6			0	0	0	0	Clear			L.C.S.	29
30	71.0	29.376	.139	29.237	30.17	56.2	44.2	29	35	.157	60.4	40.8	NE	4			0	2	ci	E	Clear			L.C.S.	30
31																									31
Sums		(a)	(a)	873.243	901.27	16207	13592	1079	1614	6590	(a)	(a)	(a)	212	(a)	(a)	1.11	153	(a)	(a)	(a)	0	0	(a)	(a)
Means		(a)	(a)	29.108	30.042	54.0	45.3	36.0	53.8	220	(a)	(a)	(c) SW	7.1	(a)	(a)	(a)	5.1	U a.st L stcu	U W L W	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of APR 1931, 193

Date.	Temperature. Maximum. (b)	Minimum (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡†	Beginning.	Ending.	Character ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡†	Beginning.	Ending.	Total (mid. to mid.). (b)††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
Wednesday 1	37	32	5	3	34																0.19	.11	+.08	+.08	0	1.7	0	0.19	1
2	52	32	20	8	42																.04	.11	-.07	+.01	0	0.2	0	0	2
3	43	38	5	2	40																0.43	.10	+.33	+.34	0	0	0	0	3
4	53	33	20	3	43																0	.10	-.10	+.24	0	0	0	0	4
5	52	34	18	0	43																T	.10	-.10	+.14	0	0	0	0	5
6	49	33	16	2	41																0	.10	-.10	+.04	0	0	0	0	6
7	57	32	25	3	44																0	.10	-.10	-.06	0	0	0	0	7
8	77	43	34	16	60																0	.11	-.11	-.17	0	0	0	0	8
9	77	53	24	5	65																0	.10	-.10	-.27	0	0	0	0	9
10	61	45	16	12	53																0.54	.10	+.44	+.17	0	0	0	0	10
11	59	42	17	3	50																0	.10	-.10	+.07	0	0	0	0	11
12	75	41	34	8	58																0	.10	-.10	-.03	0	0	0	0	12
13	79	53	26	~~3~~ 8	~~67~~ 66																0	.09	-.09	-.12	0	0	0	0	13
14	71	46	25	~~3~~ 8	58																0	.09	-.09	-.21	0	0	0	0	14
15	73	42	31	0	58																0	.10	-.10	-.31	0	0	0	0	15
16	74	43	31	0	58																.08	.11	-.03	-.34	0	0	0	0	16
17	74	50	24	4	62																.02	.10	-.08	-.42	0	0	0	0	17
18	70	46	24	4	58																0	.10	-.10	-.52	0	0	0	0	18
19	78	45	33	4	62																0	.11	-.11	-.63	0	0	0	0	19
20	74	58	16	4	66																.03	.11	-.08	-.71	0	0	0	0	20
21	62	45	17	12	54																0.72	.10	+.62	-.09	0	0	0	0	21
22	45	35	10	14	40																.06	.10	-.04	-.13	0	T	0	T	22
23	46	32	14	1	39																T	.10	-.10	-.23	0	0	0	0	23
24	46	38	8	3	42																.05	.10	-.05	-.28	0	0	0	0	24
25	49	42	7	4	46																0.45	.10	+.35	+.07	0	0	0	0	25
26	44	34	10	7	39																.06	.11	-.05	+.02	0	0.2	0	.02	26
27	39	34	5	3	36																T	.11	-.11	-.09	0	T	0	T	27
28	64	32	32	12	48																0	.11	-.11	-.20	0	0	0	0	28
29	55	37	18	2	46																0	.10	-.10	-.30	0	0	0	0	29
30	60	34	26	1	47																0	.10	-.10	-.40	0	0	0	0	30
31																													31
S	1795	1204	591	146 ~~151~~	1493		Total excess or deficiency since Jan. 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	2.67	3.07	Total excess or deficiency since Jan. 1,	0	2.1	(a)	(a)	(a)
M	59.8	40.1	19.7	5.2 ~~4.7~~	(a)	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	−4.31	(a)	(a)	(a)	(a)	(a)	

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S^d—dry snow, S^m—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths

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SUMMARY FOR THE MONTH OF APR 1931, 193

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.005

STATION.								REDUCED.							
Mean.			Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	Mean.			Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
8 a. m.	8 p. m.	Monthly. (g)						8 a. m.	8 p. m.	Monthly. (g)					
29.133	29.108	29.120	29.470	12	x 28.530	1	0.940	30.067	30.042	30.054	30.41	12	x 29.46	1	0.95
Corrected mean		29.115						Corrected mean		30.049	x From barograph trace.				

TEMPERATURE.

Mean. Dry. 8 a. m.	Dry. 8 p. m.	Dry. (8+8)÷2 (g)	Wet. 8 a. m.	Wet. 8 p. m.	Wet. Monthly. (g)	Max.	Min.	Monthly. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
43.2	54.0	48.6	39.9	45.3	42.6	59.8	40.1	50.0	79	13	32	28	47	34	8	5	27

Dew-point. 8 a. m.	Dew-point. 8 p. m.	Dew-point. Monthly. (g)	Relative Humidity. 8 a. m.	Relative Humidity. 8 p. m.	Relative Humidity. Monthly. (g)	Vapor Pressure. 8 a. m.	Vapor Pressure. 8 p. m.	Vapor Pressure. Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	Maximum. 90° or above.	Minimum. 32° or below.	Minimum. Zero or below.
35.7	36.0	35.8	74.9	53.8	64.4	.218	.220	.219	0	0	5	0

Clouds.

Most frequent clouds: Stratus - Cumulus

Most frequent direction upper clouds: West

Most frequent direction lower clouds: West

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
6146	8.5	NW	34	NW	26	8	6	6	4	8	12	5	11	0

WEATHER.

Mean Cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of Days. Clear.	Partly cloudy.	Cloudy.	Number of Days with Precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
4.9	5.1	4.6	64	16	6	8	2	3	7

MISCELLANEOUS PHENOMENA.

Dates of—(Midnight to Midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (33 miles or over.)	Solar Halos.	Lunar Halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
23	6-30-	4-7-28	0	26	7	26	—	—	—	—	—	—	—	—

PRECIPITATION (in inches and hundredths). (m)

Total amount	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
2.67	0.73	21+22	—	—	—	—	—	—	3	12	10	4	0	15	4	2	2.1	0

(w) Maximum precipitation in 5 minutes 0.14, date 21; 10 minutes 0.24, date 21; 15 minutes 0.30, date 21

30 minutes 0.39, date 21; 1 hour 0.49, date 21; 2 hours 0.57, date 21.

EXCESSIVE.

Date.	Total Duration. From—	To—	Total amount of precipitation.	Excessive Rate. Began—	Ended—	Amt. before excessive began.	Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
								None.												

* The duration is the time precipitation was actually recorded.

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Prepared by E. L. H., ——, ——, Weather Bureau.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of APR 1931, 193

Number of Station barometer, 656; sum of corrections, -.026 inch.

Date.	Time. 75th mer.	Time. Local (standard).	Barometer. Attached thermometer	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
									Extremes of pressure																
1	4 00 PM	3 00 PM				28.530	29.46	36.0															Lowest	E.L.H.	1

8—154 If additional space is required, rule a sheet similar to this, and paste to this margin. †By dial when self-register is out of order. ††T indicates trace of precipitation.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of APR 1931, 193

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1	259	18	44	3											40	3			343	24
2									17	4	42	6	106	13	5	1			170	24
3	52	7	111	11	37	4	6	1							7	1			213	24
4	81	13	19	3											47	8			147	24
5	24	3	87	13	49	8													160	24
6	76	12	86	12															162	24
7	19	7							11	2	35	7	34	6	8	2			107	24
8							30	4	78	9	72	10	9	1					189	24
9									171	13	101	10			6	1			278	24
10	18	2									9	1	126	14	56	7			209	24
11	6	2	4	1									41	7	103	14			154	24
12			9	2	16	3	26	4	101	10	60	5							212	24
13									73	9	149	15							222	24
14			159	18	36	4					9	2							204	24
15			86	11	98	13													184	24
16	9	2	36	9	25	6	3	1			3	1	5	1	31	4			112	24
17													46	7	163	17			209	24
18	14	2	15	3	109	16	22	3											160	24
19					24	6	59	8	83	10									166	24
20					6	1	66	5	172	14	33	4							277	24
21							52	4	69	5	28	5	106	10					255	24
22													156	13	170	11			326	24
23											8	2	43	5	133	17			184	24
24			3	1							46	11	24	4	31	8			104	24
25	23	4	16	5	7	2	3	1	49	11	6	1							104	24
26											7	1	239	14	145	9			391	24
27									14	2	32	5	156	15	19	2			221	24
28											325	24							325	24
29	67	7	11	1									12	1	125	15			215	24
30	17	3	58	10	49	8	14	2							5	1			143	24
31																				
SUM,	665	82	744	103	456	71	281	33	838	89	965	110	1103	111	1094	121	0	0	6146	720
PERCENTAGE,	11	11	12	14	7	10	4	5	14	12	16	15	18	16	18	17	0	0	a	a
AVG. HOURLY VELOCITY,	8.1	a	7.2	a	6.4	a	8.5	a	9.4	a	7.8	a	7.9	a	9.0	a	0	a	8.5	a

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of MAY 1931, 193

Number of Station barometer, 656; sum of corrections, −.026 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-Reg. Ther's. Max. (b)	Self-Reg. Ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	67.0	29.400	.128	29.272	30.21	45.0	38.0	29	52	.157	56.2	38.8	SE	8			0	1	ci St	SE	Clear		E.L.H.	1
2	69.0	29.050	.132	28.918	29.84	54.8	52.3	51	85	.373	63.0	48.8	SW	6			0	5 4	cu a cu	SW SW	Cloudy		E.L.H.	2
3	66.0	29.384	.126	29.258	30.20	39.8	36.3	32	72	.186	47.0	36.9	NW	11			0	1	a cu	N	Clear		L.C.S.	3
4	67.0	29.400	.128	29.272	30.21	49.2	43.7	37	64	.219	59.0	40.8	E	4			0	0	0	0	Clear		E.L.H.	4
5	71.0	29.136	.138	28.998	29.92	56.2	49.7	44	63	.287	68.2	46.4	SE	3			0	7w	a cu	S	Clear		E.L.H.	5
6	75.0	28.980	.148	28.832	29.73	60.2	57.9	57	87	.465	70.3	58.8	SE	12			0	10	cu	SE	Cloudy		E.L.H.	6
7	69.0	29.081	.132	28.949	29.88	40.5	40.0	40	96	.247	48.0	40.4	SW	7			.02	10	St cu	SW	Cloudy		E.L.H.	7
8	65.0	29.050	.121	28.929	29.87	43.8	41.0	38	80	.228	43.8	36.8	SE	6			0	6 2	a St cu	SW SE	Cloudy		E.L.H.	8
9	67.0	28.800	.126	28.674	29.58	51.0	50.5	50	97	.360	58.0	48.9	SE	15			0.18	10	nb	SE	Light Rain		E.L.H.	9
10	67.0	28.810	.126	28.684	29.60	48.8	46.8	45	87	.298	53.3	45.1	SE	8			.02	10	St	S	Cloudy		E.L.H.	10
11	66.0	28.870	.123	28.747	29.67	49.0	48.0	47	93	.322	52.0	47.9	S	6			.02	2 8	a cu St cu	S S	Cloudy		E.L.H.	11
12	67.5	28.986	.128	28.858	29.79	47.1	45.1	43	86	.277	55.7	43.0	SW	2			T	2	a cu	SE	Clear		E.L.H.	12
13	67.5	29.099	.128	28.971	29.90	51.4	49.4	47	87	.322	55.0	47.2	N	10			.02	3 6	a cu cu	NW N	Cloudy		E.L.H.	13
14	66.5	29.180	.126	29.054	29.98	50.0	45.0	40	68	.247	57.0	45.0	NW	4			.06	0	0	0	Clear		E.L.H.	14
15	69.0	29.250	.133	29.117	30.04	56.7	50.0	44	63	.287	64.8	50.0	SW	8			0	3	ci St	SE	Clear		E.L.H.	15
16	73.0	29.060	.142	28.918	29.83	63.9	55.8	50	60	.360	72.0	59.0	SW	14			0	9	ci St	SW	Cloudy		E.L.H.	16
17	73.0	29.148	.143	29.005	29.92	48.0	43.8	40	72	.247	73.0	45.3	NE	12			0.25	8	a cu	E	Cloudy		L.C.S.	17
18	71.0	29.005	.137	28.868	29.79	64.0	60.8	59	84	.499	64.0	48.2	S	10			0	3 6	ci a St	W W	Cloudy		E.L.H.	18
19	77.5	29.042	.154	28.888	29.80	66.8	59.3	55	65	.432	77.0	61.8	S	15			0	5 4	a cu cu	NW W	Cloudy		E.L.H.	19
20	75.0	29.068	.148	28.920	29.84	53.0	51.0	49	88	.347	68.0	51.2	W	10			0.60	10	St cu	W	Cloudy		E.L.H.	20
21	70.5	29.392	.138	29.254	30.18	45.7	43.0	40	81	.247	54.1	41.0	S	8			0	0	0	0	Clear		E.L.H.	21
22	67.0	29.484	.128	29.356	30.30	46.2	43.2	40	79	.247	55.8	45.0	E	4			T	10	St	E	Light Rain		E.L.H.	22
23	66.0	29.440	.126	29.314	30.25	44.0	40.5	36	74	.211	48.8	40.9	NW	11			T	0	0	0	Clear		E.L.H.	23
24	67.0	29.300	.128	29.172	30.10	43.8	40.0	35	72	.203	50.2	36.4	SW	4			0	1 2	ci cu a cu	W SW	Clear		E.L.H.	24
25	68.0	28.884	.129	28.755	29.66	62.0	58.5	56	81	.448	64.3	57.2	W	6			.02	3	a St	W	Clear		E.L.H.	25
26	70.0	29.340	.136	29.204	30.12	56.0	51.0	47	71	.322	62.2	46.1	N	6			0	2	a St	N	Clear		E.L.H.	26
27	73.0	29.434	.144	29.290	30.22	60.0	52.0	45	58	.298	71.0	51.9	SE	10			0	1	ci St	W	Clear		E.L.H.	27
28	76.0	29.384	.152	29.232	30.14	68.8	59.0	52	56	.387	78.4	61.9	S	6			0	3 1	ci a cu	W W	Clear		E.L.H.	28
29	82.0	29.346	.167	29.179	30.08	72.7	66.0	62	70	.555	82.7	67.8	SW	8			0	8	a St	W	Cloudy		E.L.H.	29
30	81.5	29.252	.166	29.086	30.00	64.0	62.5	62	92	.555	76.8	63.6	SW	3			.01	10	St cu	SW	Light Rain		L.C.S.	30
31	74.0	29.178	.146	29.032	29.96	53.0	49.8	47	80	.322	57.2	52.2	N	10			.09	4	ci St	N	Pt Cloudy		L.C.S.	31
Sums		(a)	(a)	900006	92861	16554	15299	1419	2363	9.949	(a)	(a)	(a)	247	(a)	(a)	1.29	173	(a)	(a)	(a)		(a)	(a)
Means		(a)	(a)	29.032	29.955	53.4	49.4	45.8	76.2	.321	(a)	(a)	(c) SW	8.0	(a)	(a)	(a)	5.6	U a cu L cu	U W L SE	SW (a)		(a)	(a)

* Reference letters in this form refer to paragraph 121. "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at ~~Fort Wayne, Ind.~~, for the Month of MAY 1931, 193

Number of Station barometer, 656; sum of corrections, −.026 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:06 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-Reg. Ther's. Max. (b)	Self-Reg. Ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	71.5	29.156	.139	29.017	29.95	63.0	51.0	40	42	.247	66.3	45.0	SE	6			0	1	ci	S	Clear			L.C.S.	1
2	70.0	29.240	.135	29.105	30.03	47.0	40.5	32	57	.180	59.1	47.0	NW	15			T	0	0	0	Clear			L.C.S.	2
3	68.0	29.368	.130	29.238	30.17	59.0	47.0	34	39	.195	60.9	39.8	NE	4			0	0	0	0	Clear			L.C.S	3
4	73.5	29.208	.145	29.063	29.98	68.2	51.7	30	35	.164	71.7	49.2	SE	5			0	1 1	ci cu	E SE	Clear			L.C.S	4
5	76.0	29.024	.150	28.874	29.78	70.3	60.5	54	57	.417	77.3	56.2	SE	6			T	4 4	acu cu	S SE	Cloudy			L.C.S.	5
6	74.0	28.942	.145	28.797	29.71	48.0	48.0	48	100	.334	63.0	48.0	W	11			0.38	10	stcu	W	moderate Rain			L.C.S.	6
7	69.0	29.072	.132	28.940	29.86	41.1	38.3	34	78	.195	43.0	40.5	SW	5			T	10	stcu	SW	Cloudy			L.C.S	7
8	69.0	28.992	.132	28.860	29.79	58.0	50.0	43	57	.277	63.0	43.8	SE	10			T	10	stcu	SE	Light Rain	B7:70A		L.C.S.	8
9	70.0	28.842	.134	28.708	29.63	53.3	48.3	43	70	.277	64.9	51.0	SW	12			T	2 6	acu cu	W SW	Cloudy	E-8:30A		E.L.H.	9
10	68.0	28.892	.129	28.763	29.68	52.0	50.3	49	90	.347	55.1	48.8	SW	6			0.11	10	stcu	SW	Cloudy			E.L.H	10
11	70.0	28.940	.135	28.805	29.72	55.7	49.7	44	66	.287	58.4	49.0	SW	2			.01	2 2	ci cu	W SW	Pt Cloudy			L.C.S.	11
12	70.0	29.018	.135	28.883	29.81	55.0	51.0	48	76	.334	63.0	47.1	E	2			.01	3 5	acu cu	E E	Cloudy			L.C.S.	12
13	69.0	29.112	.132	28.980	29.91	57.0	53.2	50	78	.360	63.0	51.4	NW	7			T	2 2	ci cu	N NW	Pt Cloudy			L.C.S.	13
14	71.0	29.160	.138	29.022	29.95	64.8	52.8	43	44	.277	70.3	50.0	NW	10			0	0	0	0	Clear			E.L.H	14
15	74.0	29.142	.146	28.996	29.92	72.0	59.0	50	46	.360	78.8	56.7	SW	9			0	2 1	cist st	W SW	Clear			L.C.S.	15
16	76.5	28.942	.151	28.791	29.69	73.0	66.5	63	71	.575	83.6	63.9	N	4			.03	10	cumb	N	Light Rain B			L.C.S.	16
17	73.0	29.140	.143	28.997	29.93	60.1	49.0	38	44	.228	65.1	48.0	E	8			0	1	cu	E	Clear			L.C.S.	17
18	77.5	28.952	.154	28.798	29.70	77.0	61.5	51	41	.373	85.7	64.0	S	8			0	8	cist	S	Cloudy			L.C.S.	18
19	78.0	28.944	.155	28.789	29.69	68.0	65.0	63	85	.575	76.7	66.8	S	4			.03	2 7	ci cu	S S	Cloudy			L.C.S.	19
20	75.0	29.250	.149	29.101	30.03	54.1	46.3	38	55	.228	63.0	53.0	W	9			T	1 1	acu cu	W W	Clear			L.C.S.	20
21	70.5	29.430	.138	29.292	30.23	55.8	44.3	31	38	.172	59.8	45.7	W	6			0	6 3	cist acu	N W	Cloudy			E.L.H.	21
22	71.0	29.400	.139	29.261	30.20	48.8	43.8	39	67	.237	51.0	46.2	N	8			.01	10	stcu	N	Cloudy			L.C.S.	22
23	70.5	29.396	.138	29.258	30.20	50.2	42.2	32	50	.180	54.9	44.0	NW	8			0	3	ci	NW	Clear			E.L.H.	23
24	67.5	28.950	.128	28.822	29.73	64.3	53.3	44	48	.287	66.9	43.8	SW	7			0	10	ast	W	Cloudy			E.L.H	24
25	73.0	29.120	.142	28.978	29.90	62.2	52.7	44	53	.287	74.2	62.0	NW	15			0	0	0	0	Clear			L.C.S.	25
26	74.0	29.342	.146	29.196	30.12	71.0	57.0	46	41	.310	76.0	56.0	NE	4			0	2	cist	E	Clear			L.C.S.	26
27	78.0	29.356	.157	29.199	30.12	78.4	59.9	46	32	.310	82.2	60.0	SE	6			0	1	ci	S	Clear			L.C.S.	27
28	83.5	29.328	.171	29.157	30.07	82.7	69.0	62	50	.555	88.1	68.8	S	7			0	3 2	ci cu	W S	Part cloudy			L.C.S.	28
29	83.0	29.292	.170	29.122	30.03	76.8	66.3	61	58	.536	83.3	72.7	SW	7			0	5 5	acu cist	W W	Cloudy			L.C.S.	29
30	79.0	29.092	.158	28.934	29.85	57.2	56.0	55	93	.432	66.1	57.2	N	6			0.13	10	stcu	N	Light Rain			E.L.H.	30
31	74.0	29.176	.146	29.030	29.96	60.7	53.2	47	61	.322	65.2	53.0	NW	10			0	1	acu	W	Clear			L.C.S.	31
Sums		(a)	(a)	898.776	927.36	1904.7	1637.3	1402	1822	9.858	(a)	(a)	(a)	227	(a)	(a)	0.71	1.69	(a)	(a)	(a)	1	0	(a)	(a)
Means		(a)	(a)	28.993	29.915	61.4	52.8	45.2	58.8	.318	(a)	(a)	(c) SW	7.3	(a)	(a)	(a)	5.5	U ci L cu	U SW L SW	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order. †† T indicates trace of precipitation. U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of MAY 1931, 193

Date.	Temperature. Maximum. (b)	Minimum (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b)††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	47°																In.		-4.31		In.	In.	In.	In.	
Friday 1	66	39	27	5	52		13														0	.11	-.11	-.11	0	0	0	0	1
2	59	39	20	3	49		16														T	.11	-.11	-.22	0	0	0	0	2
3	61	37	24	0	49		16														0	.11	-.11	-.33	0	0	0	0	3
4	72	41	31	7	56		9														0	.11	-.11	-.44	0	0	0	0	4
5	77	46	31	6	62		3														T	.12	-.12	-.56	0	0	0	0	5
6	63	43	20	9	53		12														0.40	.12	+.28	-.28	0	0	0	0	6
7	43	38	5	13	40		25														T	.11	-.11	-.39	0	0	0	0	7
8	63	37	26	10	50		15														.07	.11	-.04	-.43	0	0	0	0	8
9	65	47	18	6	56		9														0.11	.12	-.01	-.44	0	0	0	0	9
10	55	45	10	6	50		15														0.13	.13	0	-.44	0	0	0	0	10
11	58	48	10	3	53		12														.03	.12	-.09	-.53	0	0	0	0	11
12	63	43	20	0	53		12														.01	.13	-.12	-.65	0	0	0	0	12
13	63	47	16	2	55		10														.08	.14	-.06	-.71	0	0	0	0	13
14	70	45	25	3	58		7														0	.13	-.13	-.84	0	0	0	0	14
15	79	50	29	6	64		1														0	.13	-.13	-.97	0	0	0	0	15
16	84	52	32	4	68																0.28	.14	+.14	-.83	0	0	0	0	16
17	65	45	20	13	55		10														0	.14	-.14	-.97	T	0	0	0	17
18	86	48	38	12	67																0	.13	-.13	-1.10	0	0	0	0	18
19	77	61	16	2	69																0.53	.13	+.40	-.70	0	0	0	0	19
20	63	46	17	15	54		11														0.10	.13	-.03	-.73	0	0	0	0	20
21	60	41	19	4	50		15														0	.13	-.13	-.86	0	0	0	0	21
22	51	44	7	2	48		17														.01	.13	-.12	-.98	0	0	0	0	22
23	55	40	15	0	48		17														T	.13	-.13	-1.11	0	0	0	0	23
24	67	36	31	4	52		13														0	.14	-.14	-1.25	0	0	0	0	24
25	74	50	24	10	62		3														.02	.13	-.11	-1.36	0	0	0	0	25
26	76	46	30	1	61		4														0	.13	-.13	-1.49	0	0	0	0	26
27	82	52	30	6	67																0	.12	-.12	-1.61	0	0	0	0	27
28	88	62	26	8	75																0	.12	-.12	-1.73	0	0	0	0	28
29	83	68	15	1	76																0	.12	-.12	-1.85	0	0	0	0	29
30	68	54	14	15	61		4														0.23	.12	+.11	-1.74	0	0	0	0	30
31	65	48	17	5	56		9														0	.11	-.11	-1.85	0	0	0	0	31
S	2101	1438	663	181	1769		Total excess or deficiency since Jan. 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	2.00	3.85	Total excess or deficiency since Jan. 1,		T	0	(a)	(a)	(a)
M	67.8	46.4	21.4	5.8	(a)	(a)	282		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(c)	(a)	(a)	(a)	(a)	(a)	(a)	-6.16		(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, Sd—dry snow, Sm—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths

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SUMMARY FOR THE MONTH OF MAY 1931, 193

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.005)

STATION.								REDUCED.							
Mean.			Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	Mean.			Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
8 a. m.	8 p. m.	Monthly. (g)						8 a. m.	8 p. m.	Monthly. (g)					
29.032	28.993	29.012	29.356	22	x 28.600	9	0.756	29.955	29.915	29.935	30.30	22	x 29.51	9	0.79
Corrected mean		29.007						Corrected mean		29.930					

TEMPERATURE.

x Lowest from barograph trace

Mean. Dry. 8 a. m.	Dry. 8 p. m.	Dry. (8+8)÷2 (g)	Wet. 8 a. m.	Wet. 8 p. m.	Wet. Monthly. (g)	Max.	Min.	Monthly. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
53.4	61.4	57.4	49.4	52.8	51.1	67.8	46.4	57.1	88	28	36	24	52	38	18	5	7

Dew-point. 8 a. m.	Dew-point. 8 p. m.	Dew-point. Monthly. (g)	Relative Humidity. 8 a. m.	Relative Humidity. 8 p. m.	Relative Humidity. Monthly. (g)	Vapor Pressure. 8 a. m.	Vapor Pressure. 8 p. m.	Vapor Pressure. Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	Maximum. 90° or above.	Minimum. 32° or below.	Minimum. Zero or below.
45.8	45.2	45.5	76.2	58.8	67.5	.321	.318	.320	0	0	0	0

Clouds.

Most frequent clouds: alto-cumulus

Most frequent direction upper clouds: West

Most frequent direction lower clouds: Southwest

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
6350	8.5	SW	25	NW	2	6	3	4	12	8	15	5	9	0

WEATHER.

Mean Cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of Days. Clear.	Partly cloudy.	Cloudy.	Number of Days with Precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
5.6	5.5	5.2	59	12	7	12	1	3	9

MISCELLANEOUS PHENOMENA.

Dates of—(Midnight to Midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (33 miles or over.)	Solar Halos.	Lunar Halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
4, 21	24	—	16	None	0	0	9	0	0	0	0	0	16	0

PRECIPITATION (in inches and hundredths). (m)

Total amount	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
2.00	0.63	19+20	—	—	—	—	—	—	4	13	9	3	0	17	0	0	0	0

(w) Maximum precipitation in 5 minutes 0.19, date 16; 10 minutes 0.19, date 16; 15 minutes 0.21, date 16

30 minutes 0.22, date 16; 1 hour 0.24, date 16; 2 hours 0.28, date 19

EXCESSIVE.

Date.	Total Duration. From—	To—	Total amount of precipitation.	Excessive Rate. Began—	Ended—	Amt. before excessive began.	Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
								None												

* The duration is the time precipitation was actually recorded.

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Prepared by E. L. Hardy

E. L. Hardy, Erle L. Hardy, Meteorologist, Weather Bureau.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of MAY 1941, 193

Number of Station barometer, 656; sum of corrections, -.026 inch.

Date.	Time. 75th mer.	Time. Local (standard).	Barometer. Attached thermometer	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
								Extremes of pressure																	
9	2:00 P.M.	2:00 P.M.				28.600	29.51	63.0															Lowest		9

8—154 If additional space is required, rule a sheet similar to this, and paste to this margin. †By dial when self-register is out of order. ††T indicates trace of precipitation.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of MAY, 193

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1					28	6	77	10	58	8									163	24
2	9	1							56	6	18	2	15	1	212	14			310	24
3	85	15	21	5	17	4													123	24
4					135	20	30	4											165	24
5					27	6	69	10	95	8									191	24
6							167	17	9	1			70	6					246	24
7									16	2	129	20	14	2					159	24
8					9	1	82	10	116	12	2	1							209	24
9					39	4	90	7	51	6	91	7							271	24
10							55	7	79	9	82	8							216	24
11							38	6	47	7	43	11							128	24
12	49	8	26	4	17	4					12	7					0	1	104	24
13	113	13													115	11			228	24
14													10	2	156	22			166	24
15											180	18	69	6					249	24
16	6	1	43	3	7	1					213	17	10	2					279	24
17			146	13	120	11													266	24
18					5	1	19	5	165	14	53	4							242	24
19									274	24									274	24
20											102	10	121	14					223	24
21	10	2	6	1					13	2	99	9	76	8	13	2			217	24
22	67	9	36	7	26	5									25	3			154	24
23	15	2											28	5	219	17			260	24
24									75	5	130	14	21	5					226	24
25											53	6	45	4	139	14			237	24
26	26	5	39	8	35	7									19	4			119	24
27					25	5	124	15	35	4									184	24
28									110	17	77	7							187	24
29	10	2							50	7	102	14			6	1			168	24
30	25	6							30	3	54	8	6	2	38	5			153	24
31	44	4													189	20			233	24
SUM,	459	68	317	41	490	75	751	91	1279	135	1440	163	485	57	1129	113	0	1	6350	744
PERCENTAGE,	7	9	5	6	8	10	12	12	20	18	23	22	7	8	18	15	0	0	a	a
AVG. HOURLY VELOCITY,	6.8	a	7.7	a	6.5	a	8.3	a	9.5	a	8.8	a	8.5	a	10.0	a	0	a	8.5	a

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JUN 1931, 193

Number of Station barometer, 656; sum of corrections, -.026 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-Reg. Ther's. Max. (b)	Self-Reg. Ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	71.5	29.282	.139	29.143	30.07	54.2	50.0	47	75	.322	60.7	46.1	E	6			0	0	0	0	Clear		E.L.H.	1
2	72.0	29.374	.141	29.233	30.15	59.0	52.0	46	63	.310	66.7	50.4	S	6			0	1	ci St	NW	Clear		E.L.H.	2
3	75.0	29.370	.149	29.221	30.14	62.9	57.0	53	70	.402	71.8	61.4	SE	10			T	10	St cu	W	Cloudy		E.L.H.	3
4	77.0	29.170	.153	29.017	29.93	63.7	62.2	62	92	.555	74.5	61.2	S	4			0.17	4 6	cu nb St	S S	Light Rain		E.L.H.	4
5	78.0	29.290	.157	29.133	30.04	64.0	60.8	59	84	.499	75.0	60.9	N	10			T	3 6	ci St a cu	N N	Cloudy		E.L.H.	5
6	75.5	29.124	.149	28.975	29.90	55.2	54.2	53	94	.402	71.0	54.0	E	12			0.27	9	St cu	E	Cloudy		E.L.H.	6
7	73.0	28.782	.141	28.641	29.55	54.0	53.5	53	97	.402	63.2	53.3	W	4			.04	10	St	W	Light Rain		E.L.H.	7
8	68.0	29.008	.129	28.871	29.79	51.8	47.1	42	71	.266	56.3	49.9	NW	15			0	7	cu	NW	Pt Cldy		E.L.H.	8
9	68.0	29.240	.130	29.110	30.04	54.0	48.5	43	67	.277	58.0	45.2	NW	2			0	0	0	0	Clear		E.L.H.	9
10	72.0	29.310	.141	29.169	30.09	63.2	56.0	51	64	.373	67.0	59.0	S	6			T	2 6	a cu cu	S S	Cloudy		E.L.H.	10
11	76.0	29.341	.151	29.190	30.11	68.5	59.5	54	59	.417	75.9	65.8	SE	6			T	3	ci St	SW	Clear		E.L.H.	11
12	79.5	29.264	.161	29.103	30.01	70.1	64.1	61	72	.536	77.0	66.8	SE	6			0	5 3	a cu St cu	S S	Cloudy		P.A.L.	12
13	81.0	29.172	.164	29.008	29.91	69.8	65.8	64	81	.595	80.0	64.1	S	9			0	3 2	ci a cu	S S	Pt Cloudy		P.A.L.	13
14	82.0	29.204	.167	29.037	29.95	69.0	67.1	66	91	.638	73.5	65.2	S	5			0	4 5	a cu St cu	S S	Cloudy		L.C.S.	14
15	80.0	29.342	.162	29.180	30.10	67.7	62.0	58	73	.482	73.3	64.7	NE	9			0	2	ci St	E	Clear		L.C.S.	15
16	79.0	29.322	.159	29.163	30.08	63.1	56.6	52	67	.387	72.3	58.8	NE	6			T	5	a cu	N	Pt Cloudy		P.A.L.	16
17	77.5	29.324	.155	29.169	30.09	66.2	57.2	51	58	.373	72.3	55.9	NE	2			0	2	ci	NE	Clear		P.A.L.	17
18	79.0	29.326	.159	29.167	30.09	66.8	60.0	56	68	.448	76.1	60.4	SW	5			0	0	0	0	Clear		P.A.L.	18
19	83.0	29.304	.170	29.134	30.03	74.3	65.3	60	62	.517	84.6	68.2	SW	8			0	0	0	0	Clear		P.A.L.	19
20	88.5	29.280	.184	29.096	29.99	79.0	72.0	69	71	.707	89.3	74.5	SW	6			0	4	ci	W	Pt Cloudy		P.A.L.	20
21	87.0	29.382	.181	29.201	30.10	73.8	66.6	64	70	.595	82.3	67.1	E	8			0	3 2	ci a cu	W W	Pt Cldy		P.A.L.	21
22	83.5	29.352	.171	29.181	30.10	63.4	62.9	62	97	.555	72.1	62.1	E	6			0.20	10	St cu	E	Light Rain		P.A.L.	22
23	81.5	29.306	.166	29.142	30.05	64.6	64.1	64	97	.595	80.6	64.6	NW	12			0.26	10	St cu	NW	Light Rain		P.A.L.	23
24	81.5	29.372	.166	29.206	30.13	66.8	64.8	64	90	.595	78.0	66.8	NE	7			0	9	St cu	E	Cloudy		P.A.L.	24
25	83.0	29.392	.170	29.222	30.12	74.1	71.6	70	89	.732	81.0	66.6	S	6			0	4	a cu	W	Pt Cloudy		P.A.L.	25
26	89.0	29.360	.186	29.174	30.07	80.4	75.4	73	79	.810	89.8	76.1	SW	5			0	3	ci	W	Clear		P.A.L.	26
27	87.0	29.306	.180	29.126	30.03	79.5	74.5	72	79	.783	81.1	75.0	W	2			0	3	ci	W	Clear		P.A.L.	27
28	90.0	29.344	.188	29.156	30.06	76.0	70.3	68	75	.684	87.4	72.2	SE	6			0	4	ci St	S	Pt Cloudy		L.A.S.	28
29	88.0	29.354	.183	29.171	30.07	74.3	69.8	67	80	.661	85.3	72.1	E	6			.06	10	nb	E	~~Heavy~~ Rain		P.A.L.	29
30	85.0	29.298	.175	29.123	30.03	72.9	69.9	69	86	.707	80.0	71.1	SW	4			0	7	a cu	W	Pt Cloudy		P.A.L.	30
31																								31
Sums		(a)	(a)	873.462	900.82	2002.3	1861.0	1773	2321	15.625	(a)	(a)	(a)	199	(a)	(a)	1.00	167	(a)	(a)	(a)		(a)	(a)
Means		(a)	(a)	29.115	30.027	66.7	62.0	59.1	77.4	.521	(a)	(a)	(c) S	6.6	(a)	(a)	(a)	5.6	U a cu L St cu	UW LS	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121. "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at ~~Fort Wayne, Ind.~~, for the Month of JUN 1931, 193

Number of Station barometer, 656; sum of corrections, -.026 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-Reg. Ther's. Max. (b)	Self-Reg. Ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	74.6	29.276	.146	29.130	30.05	66.7	53.7	43	42	.277	68.8	54.2	NE	4			0	0	0	0	Clear			L.C.S.	1
2	75.0	29.318	.149	29.169	30.09	71.8	57.5	47	41	.322	74.8	59.0	SE	4			0	5 3	ci st st cu	E SE	Cloudy			L.C.S.	2
3	78.5	29.232	.158	29.074	29.98	74.5	65.5	60	62	.517	80.7	62.9	E	9			.01	9	st cu	E	Cloudy			L.C.S.	3
4	80.0	29.168	.162	29.006	29.92	75.0	67.0	63	66	.575	81.3	63.7	NW	10			.01	4	ci st	W	Pt Cloudy			L.C.S.	4
5	78.0	29.282	.157	29.125	30.03	71.0	60.0	53	53	.402	74.3	64.0	NE	5			0	2 2 1	a cu ci cu	E E NE	Pt Cloudy			L.C.S.	5
6	76.0	28.960	.150	28.810	29.72	63.2	60.2	58	84	.482	80.3	55.2	SW	14	33	SW	0.29	10	st cu	W	Cloudy			L.C.S.	6
7	70.5	28.874	.135	28.739	29.65	56.3	53.0	51	80	.373	58.0	52.8	W	10			0.11	4 6	cu st cu	NW NW	Cloudy			E.L.H.	7
8	69.5	29.088	.133	28.955	29.89	58.0	47.8	37	46	.219	61.0	51.8	W	7			0	0	0	0	Clear			L.C.S.	8
9	71.5	29.210	.139	29.071	29.99	67.0	56.6	49	52	.347	70.0	54.0	SE	4			T	10	st cu	SE	Cloudy			L.C.S.	9
10	76.0	29.268	.151	29.117	30.03	75.9	63.4	56	50	.448	79.3	63.2	SE	6			0	2 2	ci cu	S SE	Pt Cloudy			L.C.S.	10
11	80.5	29.264	.163	29.101	30.01	77.0	65.0	58	52	.482	83.8	68.5	SE	10			0	2 3	a cu st cu	S SE	Pt Cloudy			L.C.S.	11
12	83.0	29.118	.169	28.949	29.85	80.0	68.5	63	56	.575	85.0	70.1	SE	10			0	1 1	a cu cu	SE SE	Clear			L.C.S.	12
13	83.0	29.132	.169	28.963	29.87	73.5	67.3	64	73	.595	83.3	69.8	S	6			T	3 2	ci cu cu	S S	Pt Cloudy			L.C.S.	13
14	82.0	29.216	.167	29.049	29.96	73.3	71.3	70	91	.732	79.0	69.0	W	4			0.19	4 4	a cu cu	W W	Cloudy			L.C.S.	14
15	80.0	29.288	.162	29.126	30.04	72.3	62.3	56	57	.448	79.8	67.7	N	10			0	8	st cu	NE	Cloudy			P.A.L.	15
16	78.0	29.264	.157	29.107	30.02	72.3	59.3	50	46	.360	75.2	61.7	NE	6			0	1	a cu	E	Clear			L.C.S.	16
17	79.5	29.272	.161	29.111	30.02	76.1	62.1	53	45	.402	79.1	66.2	NE	4			0	3 1	a st st cu	N NE	Pt Cloudy			L.C.S.	17
18	84.5	29.256	.174	29.082	29.99	84.6	67.5	58	41	.482	87.6	66.8	SW	5			0	0	0	0	Clear			L.C.S.	18
19	89.5	29.230	.186	29.044	29.93	89.3	74.0	68	49	.684	93.4	74.3	SW	5			0	0	0	0	Clear			L.C.S.	19
20	90.0	29.292	.188	29.104	30.00	82.3	69.8	64	54	.595	91.8	79.0	N	8			0	3	ci	N	Clear			P.A.L.	20
21	86.5	29.342	.179	29.163	30.07	72.1	69.1	68	86	.684	86.9	68.9	NE	6			0.36	9	cu	SW	Cloudy			P.A.L.	21
22	84.0	29.264	.173	29.091	30.00	80.6	73.0	70	70	.732	86.0	63.4	E	6			T	9	st cu	E	Cloudy			L.C.S.	22
23	82.0	29.274	.167	29.107	30.02	78.0	70.5	67	69	.661	80.8	64.6	SE	5			.06	5 2	ci st cu	S SE	Pt Cloudy			L.C.S.	23
24	83.5	29.342	.170	29.172	30.08	81.0	73.0	70	68	.732	84.0	66.8	E	10			0	3	ci st	E	Clear			L.C.S.	24
25	90.5	29.346	.190	29.150	30.05	89.8	77.8	74	59	.838	94.8	74.1	SW	4			0	0	0	0	Clear			L.C.S.	25
26	88.0	29.306	.183	29.123	30.02	81.1	72.1	68	65	.684	90.8	79.0	S	5			0	3 1	ci st cu	S S	Pt Cloudy			L.C.S.	26
27	90.0	29.292	.188	29.104	29.99	87.4	72.4	65	49	.616	95.1	79.5	NE	7			0	7	ci st	E	Pt Cloudy			P.A.L.	27
28	91.5	29.274	.192	29.082	29.98	85.3	71.8	65	52	.616	95.4	76.0	S	3			T	7	ci st	S	Pt Cloudy			L.C.S.	28
29	84.5	29.242	.173	29.069	29.98	80.0	73.8	72	75	.783	83.0	69.3	S	4			1.01	3 1	a cu cu	S S	Pt Cloudy			L.C.S.	29
30	89.5	29.220	.186	29.034	29.92	89.3	77.8	73	60	.810	92.7	72.9	W	4			0	FEW	ci st	W	Clear			L.C.S.	30
31																									31
Sums		(a)	(a)	871.927	899.15	2284.7	1983.1	1813	1793	16473	(a)	(a)	(a)	195	(a)	(a)	2.04	146	(a)	(a)	(a)			(a)	(a)
Means		(a)	(a)	29.064	29.972	76.2	66.1	60.4	59.8	549	(a)	(a)	(c) NE SE	6.5	(a)	(a)	(a)	4.9	U cu st L cu	U S L SE	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JUN 1931, 193

Date.	Temperature. Maximum. (b)	Minimum (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b)††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.	
	°	°	°	°	°																In.		-6.16		In.	In.	In.	In.		
Monday 1	69	46	23	2	58		7														0	.10	-.10	-.10	0	0	0	0	1	
2	75	50	25	4	62		3														0	.11	-.11	-.21	0	0	0	0	2	
3	81	61	20	9	71																.04	.11	-.07	-.28	0	0	0	0	3	R
4	81	61	20	0	71																0.15	.12	+.03	-.25	0	0	0	0	4	R
5	74	61	13	3	68																T	.13	-.13	-.38	0	0	0	0	5	
6	80	54	26	1	67																0.56	.13	+.43	+.05	0	0	0	0	6	R R
7	58	52	6	12	55		10														0.15	.13	+.02	+.07	0	0	0	0	7	
8	61	49	12	0	55		10														0	.13	-.13	-.06	0	0	0	0	8	
9	70	45	25	3	58		7														T	.11	-.11	-.17	0	0	0	0	9	
10	79	59	20	11	69																0	.11	-.11	-.28	0	0	0	0	10	
11	84	66	18	6	75																T	.11	-.11	-.39	0	0	0	0	11	
12	85	67	18	1	76																0	.11	-.11	-.50	0	0	0	0	12	
13	83	64	19	2	74																T	.11	-.11	-.61	0	0	0	0	13	
14	79	65	14	2	72																0.19	.12	+.07	-.54	0	0	0	0	14	R R
15	80	65	15	0	72																T	.13	-.13	-.67	0	0	0	0	15	
16	75	59	16	5	67																0	.13	-.13	-.80	0	0	0	0	16	
17	79	56	23	1	68																0	.12	-.12	-.92	0	0	0	0	17	
18	88	60	28	6	74																0	.11	-.11	-1.03	0	0	0	0	18	
19	93	68	25	6	80																0	.11	-.11	-1.14	0	0	0	0	19	
20	92	72	20	2	82																0	.11	-.11	-1.25	0	0	0	0	20	
21	87	66	21	6	76																0.36	.11	+.25	-1.00	0	0	0	0	21	R
22	86	62	24	2	74																0.28	.12	+.16	-.84	0	0	0	0	22	R R
23	81	65	16	1	73																0.24	.12	+.12	-.72	0	0	0	0	23	R
24	84	67	17	3	76																0	.13	-.13	-.85	0	0	0	0	24	
25	95	67	28	5	81																0	.13	-.13	-.98	0	0	0	0	25	
26	91	75	16	2	83																0	.14	-.14	-1.12	0	0	0	0	26	
27	95	75	20	2	85																0	.13	-.13	-1.25	0	0	0	0	27	
28	95	72	23	1	84																T	.12	-.12	-1.37	0	0	0	0	28	R
29	83	69	14	8	76																1.07	.12	+.95	-.42	0	0	0	0	29	R R
30	93	71	22	6	82																0	.11	-.11	-.53	0	0	0	0	30	
31																													31	
S	2456	1869	587	112	2164		Total excess or deficiency since Jan. 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	3.04	3.57	Total excess or deficiency since Jan. 1,		0	0	(a)	(a)	(a)	
M	81.9	62.3	19.6	8.7	(a)	(a)	37		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	-6.69		(a)	(a)	(a)	(a)	(a)	

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, Sd—dry snow, Sm—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths

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SUMMARY FOR THE MONTH OF JUN 1931, 193

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.004)

STATION. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.115	29.064	29.090	x 29.240	2	x 28.600	7	0.640	30.027	29.972	30.000	x 30.16	2	x 29.51	7	0.65
Corrected mean		29.086	x From Barograph trace					Corrected mean							

TEMPERATURE.

Mean. Dry. 8 a. m.	8 p. m.	(8+8)÷2 (g)	Wet. 8 a. m.	8 p. m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
66.7	76.2	71.4	62.0	66.1	64.0	81.9	62.3	72.1	95	28	45	9	50	28	25	6	7

Dew-point. 8 a. m.	8 p. m.	Monthly. (g)	Relative humidity. 8 a. m.	8 p. m.	Monthly. (g)	Vapor pressure. 8 a. m.	8 p. m.	Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
59.1	60.4	59.8	97.4	59.8	68.6	521	549	535	0	7	0	0

CLOUDS.

Most frequent clouds: alto-cumulus

Most frequent direction upper clouds: South

Most frequent direction lower clouds: South

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
5033	7.0	SW	33	SW	6	3	10	8	10	10	9	6	4	0

WEATHER.

Mean cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of days. Clear.	Partly cloudy.	Cloudy.	Number of days with precipitation (mid. to mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
5.6	4.9	5.2	65	8	15	7	0	2	7

MISCELLANEOUS PHENOMENA.

Dates of—(midnight to midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (33 miles or over.)	Solar halos.	Lunar halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
None	None	None	28,29. 3.4.6.14.21,22.23	6	0	0	0	0	0	0	0	0	0	0

PRECIPITATION (in inches and hundredths). (m)

Total amount	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(mid. to mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
3.04	1.07	29	–	–	–	–	–	–	6	9	9	4	1	15	0	0	0	0

(w) Maximum precipitation in 5 minutes 0.25, date 29; 10 minutes 0.41, date 29; 15 minutes 0.51, date 29

30 minutes 0.76, date 29; 1 hour 0.99, date 29; 2 hours 1.04, date 29

EXCESSIVE.

Date.	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amt. before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
29	6:36 A	10:20 A	1.07	~~6:46 A~~ ~~7:07 A~~	~~7:30 A~~ 7:29 A	~~0.03~~ ~~0.35~~	0.07	0.14	0.18	0.30	.40	.61	.77	.88	.93					

* The duration is the time precipitation was actually recorded.

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Prepared by E. S. H.

Eb S. Hardy Meteorologist Weather Bureau.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JUN 1931, 193

Number of Station barometer, 656; sum of corrections, −.026 inch.

SPECIAL OBSERVATIONS.

Date.	Time. 75th mer.	Time. Local (standard).	Barometer. Attached thermometer	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity.†	Wind. Max. since last observation.	Wind. Direction.	Precipitation.††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
23	10 00 AM	9 00 AM	80.5	29.178	.163	29.015	29.92	67.1	64.6	63	4.1	88	67.1	S	12	12	S	.06	10	St Cu	S	Cloudy,		P.A.L.	23
23	12 00 PM	11 00 AM	80.0	29.280	.162	29.118	30.03	75.0	63.5	57	18.0	53	75.0	W	5	13	N	.06	8	a Cu	W	Cloudy		P.A.L.	23
										Extremes of pressure															
2	9 00 AM	8:00 AM				29.240	30.16	62															Highest	L.C.S.	2
7	12 00 M	11 00 AM				28.600	29.51	54															Lowest	L.C.S.	7

8—154 If additional space is required, rule a sheet similar to this, and paste to this margin. †By dial when self-register is out of order. ††T indicates trace of precipitation.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JUN (1931), 193

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1	43	8	54	10	10	2	14	2							10	2			131	24
2							21	4	82	14	46	6							149	24
3					11	1	117	12	77	10	5	1							210	24
4					30	6			24	3	32	3	57	5	53	7			196	24
5	94	10	15	3	40	5							17	3	24	3			190	24
6					94	11					92	6	71	7					257	24
7													96	13	111	11			207	24
8													84	10	195	14			279	24
9					33	6	55	9	11	2			11	3	5	4			115	24
10							122	17	55	7									177	24
11							164	22	15	2									179	24
12					20	4	172	18	13	2									205	24
13							11	2	145	19	20	3							176	24
14									19	5	33	9	21	4	33	6			106	24
15	110	14	76	10															186	24
16	57	9	41	8	25	4									24	3			147	24
17	27	10	7	2	5	2	8	2	6	1	19	4	3	1	10	2			85	24
18									66	11	91	13							157	24
19									72	10	150	14							222	24
20	34	6							12	2	98	10	56	3	49	3			249	24
21			25	5	109	17					13	1	5	1					152	24
22	3	1	27	6	52	10	12	3	8	1			17	3					119	24
23	22	4					25	7	17	3			6	1	57	9			127	24
24			17	2	143	20			4	2									164	24
25					19	6			5	1	68	12	31	5					123	24
26			30	2	27	2	17	2	28	4	65	11	27	3					194	24
27	46	7	28	4	16	3					16	2	23	4	24	4			153	24
28					13	3	29	6	32	8	27	5	5	1	8	1			114	24
29	6	1	9	1	23	3	17	2	33	7	51	7	12	3					151	24
30					22	3	15	2			49	10	27	9					113	24
31																				
SUM,	442	70	329	53	692	108	799	110	724	114	875	117	569	79	603	69	0	0	5033	720
PERCENTAGE,	9	10	7	7	14	15	16	15	14	16	17	16	11	11	12	10	0	0	a	a
AVG. HOURLY VELOCITY,	6.3	a	6.2	a	6.4	a	7.3	a	6.4	a	7.5	a	7.2	a	8.7	a	0	a	7.0	a

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JUL 1931, 193

Number of Station barometer, 656; sum of corrections, -.026 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-Reg. Ther's. Max. (b)	Self-Reg. Ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	89.0	29.244	.185	29.059	29.95	82.1	77.1	75	80	.866	89.3	76.3	W	5			0	0	0	0	Clear		P.A.L.	1
2	87.0	29.208	.180	29.028	29.92	80.0	75.2	73	80	.810	83.6	74.2	N	1			0	4	ci st	N	Pt Cloudy		E.L.H.	2
3	87.0	29.240	.180	29.060	29.96	77.4	73.0	71	81	.757	83.1	75.4	NE	6			0	5 / 1	a st / cu	N / N	Pt Cloudy		E.L.H.	3
4	84.0	29.230	.172	29.058	29.97	69.0	61.0	56	64	.448	78.0	65.4	N	10			0	0	0	0	Clear		E.L.H.	4
5	84.0	28.953	.171	28.782	29.67	76.0	70.0	67	74	.661	83.2	68.3	SE	8			0	5	a st	S	Pt Cloudy		E.L.H.	5
6	83.0	29.108	.169	28.939	29.84	69.0	63.0	60	72	.517	76.0	64.9	W	3			0	9	st cu	W	Cloudy		E.L.H.	6
7	83.0	29.179	.169	29.010	29.91	69.8	64.3	62	75	.556	78.5	65.2	SW	6			0	3	ci st	SE	Clear		E.L.H.	7
8	83.0	29.336	.170	29.166	30.08	68.2	59.2	53	59	.402	79.3	63.2	NW	8			0	0	0	0	Clear		E.L.H.	8
9	80.0	29.406	.163	29.243	30.16	67.0	57.0	50	54	.360	77.6	58.8	NE	2			0	1 / 3 / 2	ci cu / a cu / cu	W / NE	Part Cloudy		E.L.H.	9
10	80.0	29.340	.162	29.178	30.10	65.0	59.5	56	73	.448	77.0	60.2	NE	8			0	2 / 6	a cu / cu	SE / W	Part Cloudy		E.L.H.	10
11	78.0	29.346	.157	29.189	30.11	63.2	57.0	53	69	.402	71.7	55.2	NW	4			0	0	0	0	Clear		E.L.H.	11
12	79.0	29.391	.159	29.232	30.15	66.3	58.3	53	62	.402	77.6	57.4	NE	3			0	7	ci cu	N	Partly Cloudy		E.L.H.	12
13	80.0	29.294	.162	29.132	30.04	69.0	60.5	55	61	.432	76.0	68.1	W	4			T	4 / 6	a st / st cu	W / W	Cloudy		E.L.H.	13
14	83.0	29.272	.169	29.103	30.00	74.4	69.4	67	78	.661	85.4	68.3	E	6			0	0	0	0	Clear		E.L.H.	14
15	88.0	29.292	.183	29.109	30.00	75.0	68.5	65	72	.616	91.9	74.8	E	6			T	2 / 3 / 3	ci cu / a cu / st cu	E / E / SE	Cloudy		E.L.H.	15
16	90.0	29.248	.188	29.060	29.95	79.8	72.3	69	70	.707	92.6	75.1	SW	6			0	0	0	0	Clear		E.L.H.	16
17	94.0	29.267	.199	29.068	29.96	80.2	73.0	70	70	.732	94.5	76.4	SW	6			0	1	a cu	W	Clear		E.L.H.	17
18	90.0	29.230	.188	29.042	29.93	76.4	72.0	70	81	.732	86.3	73.8	S	6			T	3 / 2	ci / a cu / cu	SW / W	Part Cloudy		E.L.H.	18
19	90.0	29.228	.188	29.040	29.93	76.7	71.8	70	79	.732	86.6	73.1	SW	5			0	3	ci cu	W	Clear		P.A.L.	19
20	89.0	29.120	.185	28.935	29.84	72.0	71.0	71	95	.757	76.4	69.8	SW	10			.36	10	st cu	W	Cloudy		E.L.H.	20
21	85.0	29.074	.174	28.900	29.80	69.8	68.2	68	92	.684	76.7	69.8	SW	6			.03	10	st cu	W	Light Rain		E.L.H.	21
22	81.5	28.990	.165	28.825	29.72	66.5	64.0	62	88	.555	78.1	62.2	SW	8			.20	0	0	0	Clear		E.L.H.	22
23	80.5	28.980	.162	28.818	29.71	67.8	61.0	56	68	.448	78.4	60.3	N	2			0	0	0	0	Clear		E.L.H.	23
24	79.0	29.174	.159	29.015	29.93	64.8	56.3	50	59	.360	75.3	58.8	N	6			0	Few	a cu	NE	Clear		E.L.H.	24
25	79.0	29.334	.159	29.175	30.10	66.2	58.0	53	61	.402	78.3	58.6	SW	4			0	0	0	0	Clear		E.L.H.	25
26	82.0	29.384	.168	29.216	30.13	69.8	63.0	59	69	.499	81.5	65.7	SW	5			0	0	0	0	Clear		E.L.H.	26
27	85.0	29.330	.175	29.155	30.06	73.9	66.0	62	66	.555	85.0	68.0	SW	2			0	0	0	0	Clear		E.L.H.	27
28	87.0	29.262	.180	29.082	29.98	76.0	68.5	65	69	.616	86.0	69.9	SW	12			0	2	ci	SW	Clear		E.L.H.	28
29	89.0	29.230	.185	29.045	29.93	79.0	70.3	67	65	.661	88.2	76.4	SW	12			0	2 / 3 / 5	ci cu / cu / st cu	W / SW / SW	Cloudy		E.L.H.	29
30	88.0	29.320	.183	29.137	30.04	75.8	69.8	66	70	.638	87.0	71.9	E	7			0	1	a cu	SE	Clear		E.L.H.	30
31	88.5	29.380	.185	29.195	30.10	75.0	67.0	63	66	.575	82.3	71.0	E	10			0	1	ci cu / a cu	SW / SW	Clear		E.L.H.	31
Sums		(a)	(a)	900.996	928.97	2241.1	2045.2	1937	2222	17.990	(a)	(a)	(a)	187	(a)	(a)	0.59	112	(a)	(a)	(a)		(a)	(a)
Means		(a)	(a)	29.064	29.967	72.3	66.0	62.5	71.7	.580	(a)	(a)	(c) SW	6.0	(a)	(a)	(a)	3.6	U a.cu / L st cu	UW / LW	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121. "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JUL 1931, 193

Number of Station barometer, 656; sum of corrections, −.026 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-Reg. Ther's Max. (b)	Self-Reg. Ther's Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	88.0	29.168	.182	28.986	29.88	83.6	76.1	73	71	.810	93.0	69.1	SW	5			0.78	5 1	cist cu	S SW	Pt Cloudy			L.C.S.	1
2	89.0	29.184	.185	28.999	29.89	83.1	77.1	75	77	.866	96.0	77.0	NE	4			0.33	10	ast	E	Cloudy			L.C.S.	2
3	85.0	29.202	.175	29.027	29.92	78.6	66.0	59	53	.499	86.0	77.4	N	10			0	7	cu	N	Pt Cloudy			L.C.S.	3
4	86.0	29.090	.176	28.914	29.81	83.2	68.5	61	48	.536	86.8	69.0	E	6			0	0	0	0	Clear			E.L.H.	4
5	87.0	28.903	.178	28.725	29.62	76.0	68.8	66	70	.638	87.2	71.8	W	10			0.79	3 4	acu stcu	W NW	Pt Cloudy			E.L.H.	5
6	83.5	29.108	.170	28.938	29.84	78.5	67.0	61	55	.536	81.2	69.0	SW	3			0	0	0	0	Clear			L.C.S.	6
7	84.5	29.190	.173	29.017	29.92	79.3	68.0	63	56	.575	88.2	69.8	NW	10			0	2	acu	W	Clear			L.C.S.	7
8	82.0	29.336	.167	29.169	30.09	77.6	60.6	49	37	.347	79.9	68.2	NW	5			0	0	0	0	Clear			P.O.L.	8
9	81.0	29.318	.165	29.153	30.06	77.0	66.0	60	56	.517	82.8	67.0	N	9			0	3 4	cicu cu	NW NW	Part Cloudy			P.O.L.	9
10	80.0	29.278	.162	29.116	30.03	71.7	58.2	48	44	.334	78.1	65.0	N	10			T	3	acu	N	Clear			P.O.L.	10
11	80.0	29.330	.162	29.168	30.09	77.6	58.0	42	28	.266	80.0	63.2	NW	4			0	1	ci	N	Clear			E.L.H.	11
12	80.5	29.310	.163	29.147	30.06	76.0	63.2	55	49	.432	80.0	66.3	E	4			T	4 5	ast stcu	N W	Partly Cloudy			E.L.H.	12
13	85.0	29.198	.175	29.023	29.92	85.4	68.9	60	43	.517	88.7	69.0	SW	6			T	0	0	0	Clear			P.O.L.	13
14	90.0	29.218	.188	29.030	29.92	91.9	73.9	66	43	.638	94.7	74.4	SW	2			0	0	0	0	Clear			P.O.L.	14
15	92.0	29.204	.193	29.011	29.90	92.6	75.6	69	45	.707	96.2	75.0	W	2			0	2	cicu	W	Clear			P.O.L.	15
16	95.5	29.208	.201	29.007	29.90	94.5	74.5	66	40	.638	99.0	79.8	W	4			0	2	ci	W	Clear			E.L.H.	16
17	90.0	29.168	.188	28.980	29.87	86.3	73.3	67	54	.661	99.2	80.2	W	7			0	5 2	cicu cu	W W	Part Cloudy			E.L.H.	17
18	92.0	29.166	.193	28.973	29.86	86.6	75.6	72	60	.783	92.9	76.4	S	5			T	2 4	acu ci	SW W	Part Cloudy			P.O.L.	18
19	89.0	29.164	.185	28.979	29.88	76.4	72.9	71	85	.757	92.4	76.4	S	6			T	2 3	acu cu	S W	Part Cloudy			E.L.H.	19
20	83.5	29.098	.170	28.928	29.83	76.7	71.2	69	77	.707	81.7	72.0	W	6			0	5	acu	W	Cloudy			P.O.L.	20
21	83.5	28.970	.170	28.800	29.69	78.1	70.6	67	69	.661	82.8	69.8	NW	24			.06	4 6	ast cutb	NW	Heavy Rain			P.O.L.	21
22	79.0	28.938	.158	28.780	29.68	78.4	62.4	52	40	.387	85.2	66.5	NW	8			0	2	acu	W	Clear			P.O.L.	22
23	80.0	29.018	.161	28.857	29.77	75.3	60.8	51	43	.373	81.3	67.8	NW	8			0	0	0	0	Clear			P.O.L.	23
24	80.0	29.208	.162	29.046	29.96	78.3	60.3	48	34	.334	80.1	64.8	NW	3			0	0	0	0	Clear			P.O.L.	24
25	83.5	29.312	.171	29.151	30.06	81.5	67.0	60	47	.517	85.6	66.2	SW	5			0	0	0	0	Clear			E.L.H.	25
26	86.0	29.310	.178	29.132	30.04	85.0	70.0	63	48	.575	90.0	69.8	SW	5			0	0	0	0	Clear			E.L.H.	26
27	88.5	29.218	.184	29.034	29.92	86.0	69.0	60	42	.517	91.2	73.9	SW	2			0	0	0	0	Clear			E.L.H.	27
28	90.0	29.156	.188	28.968	29.86	88.2	72.1	65	46	.616	93.1	76.0	SW	8			0	3	cist	W	Clear			P.A.L.	28
29	89.0	29.212	.185	29.027	29.92	87.0	75.0	70	58	.732	90.3	79.0	W	4			T	2 2	ci cu	W W	Pt Cloudy			L.C.S.	29
30	86.0	29.260	.178	29.082	29.98	82.3	74.8	72	71	.783	94.8	75.8	N	4			.01	2 5	stcu cu	N N	Part Cloudy			L.C.S.	30
31	88.0	29.310	.183	29.127	30.03	82.1	70.0	64	55	.595	92.0	75.0	NE	8			T	10	stcu	NE	Cloudy			L.C.S.	31
Sums	(a)	(a)	(a)	899.294	[illegible]	2534.2	2135.4	1924	1644	1785.4	(a)	(a)	(a)	197	(a)	(a)	1.97	115	(a)	(a)	(a)	0	0	(a)	(a)
Means	(a)	(a)	(a)	29.009	29.910	81.7	68.9	62.1	53.0	.576	(a)	(a)	(c) SW	6.4	(a)	(a)	(a)	3.7	U acu L cu	UW LW	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JUL 1931, 193

Date.	Temperature. Maximum. (b)	Minimum (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b)††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.	
	°	°	°	°	°																In.				In.	In.	In.	In.		
Wednesday 1	93	69	24	1	81																0.78	.10	+.68	+.68	0	0	0	0	1	R
2	96	74	22	4	85																0.33	.10	+.23	+.91	0	0	0	0	2	R
3	86	73	13	5	80																0	.11	-.11	+.80	0	0	0	0	3	
4	87	65	22	4	76																0	.12	-.12	+.68	0	0	0	0	4	
5	87	66	21	0	76																0.79	.12	+.67	+1.35	0	0	0	0	5	R R
6	81	65	16	3	73																0	.12	-.12	+1.23	0	0	0	0	6	
7	88	65	23	3	76																0	.13	-.13	+1.10	0	0	0	0	7	
8	80	63	17	4	72																0	.13	-.13	+0.97	0	0	0	0	8	
9	83	59	24	1	71																0	.12	-.12	+.85	0	0	0	0	9	
10	78	60	18	2	69																T	.12	-.12	+.73	0	0	0	0	10	
11	80	55	25	1	68																0	.13	-.13	+.60	0	0	0	0	11	
12	80	57	23	0	68																T	.14	-.14	+.46	0	0	0	0	12	
13	89	68	21	10	78																T	.15	-.15	+.31	0	0	0	0	13	
14	95	68	27	4	82																0	.14	-.14	+.17	0	0	0	0	14	
15	96	75	21	4	86																T	.14	-.14	+.03	0	0	0	0	15	
16	99	75	24	1	87																0	.12	-.12	-.09	0	0	0	0	16	
17	99	76	23	1	88																0	.10	-.10	-.19	0	0	0	0	17	
18	93	74	19	4	84																T	.10	-.10	-.29	0	0	0	0	18	
19	92	73	19	2	82																T	.10	-.10	-.39	0	0	0	0	19	R
20	82	70	12	6	76																.36	.10	+.26	-.13	0	0	0	0	20	R
21	83	64	19	2	74																.29	.10	+.19	+.06	0	0	0	0	21	R
22	85	62	23	0	74																0	.10	-.10	-.04	0	0	0	0	22	
23	81	60	21	4	70																0	.10	-.10	-.14	0	0	0	0	23	
24	80	59	21	0	70																0	.10	-.10	-.24	0	0	0	0	24	
25	86	59	27	2	72																0	.11	-.11	-.35	0	0	0	0	25	
26	90	66	24	6	78																0	.10	-.10	-.45	0	0	0	0	26	
27	91	68	23	2	80																0	.10	-.10	-.55	0	0	0	0	27	
28	93	70	23	2	82																0	.11	-.11	-.66	0	0	0	0	28	
29	90	76	14	1	83																T	.12	-.12	-.78	0	0	0	0	29	
30	95	72	23	1	84																.01	.13	-.12	-.90	0	0	0	0	30	R
31	92	71	21	2	82																T	.14	-.14	-1.04	0	0	0	0	31	
S	2730	2077	653	82	2407		Total excess or deficiency since Jan. 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	2.56	3.60	Total excess or deficiency since Jan. 1,		0	0	(a)	(a)	(a)	
M	88.1	67.0	21.1	2.6	(a)	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	-7.73		(a)	(a)	(a)	(a)	(a)	

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, Sd—dry snow, Sm—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths

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SUMMARY FOR THE MONTH OF JUL 1931, 193

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean .003)

STATION. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.064	29.009	29.036	× 29.250	12	× 28.650	5	0.600	29.967	29.910	× 29.938	× 30.16	12	29.54	5	0.62
Corrected mean		29.033						Corrected mean		29.935	× From barograph trace.				

TEMPERATURE.

Mean. Dry. 8 a. m.	8 p. m.	(8+8)÷2 (g)	Wet. 8 a. m.	8 p. m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
72.3	81.7	77.0	66.0	68.9	67.4	88.1	67.0	77.6	99	17	55	11	44	27	25	12	20

Dew-point. 8 a. m.	8 p. m.	Monthly. (g)	Relative humidity. 8 a. m.	8 p. m.	Monthly. (g)	Vapor pressure. 8 a. m.	8 p. m.	Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
62.5	62.1	62.3	71.7	53.0	62.4	.580	.576	.578	0	14	0	0

Clouds.

Most frequent clouds: Alto-cumulus

Most frequent direction upper clouds: West

Most frequent direction lower clouds: West

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
4672	6.3	SW	31	E	1	8	6	6	1	3	20	9	9	0

WEATHER.

Mean Cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of Days. Clear.	Partly cloudy.	Cloudy.	Number of Days with Precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
3.6	3.7	3.8	72	15	12	4	1	3	2

MISCELLANEOUS PHENOMENA.

Dates of—(Midnight to Midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (33 miles or over.)	Solar Halos.	Lunar Halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
—	—	—	1, 2, 5, 19, 29, 21, 30.	None	None	None	None	None	None	None	None	None	None	None

PRECIPITATION (in inches and hundredths). (m)

Total amount	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
2.56	0.79	5	0	—	—	0	—	—	8	6	5	5	0	14	0	0	0	0

(w) Maximum precipitation in 5 minutes 0.23, date 5; 10 minutes 0.34, date 5; 15 minutes 0.40, date 1

30 minutes 0.50, date 1; 1 hour 0.76, date 1; 2 hours 0.78, date 1

EXCESSIVE.

Date.	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amt. before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
1	12:25 P	1:55 P	0.78	1:13 P	1:28 P	0.34	0.16	0.31	0.39											
5	2:04 P	3:10 P	0.41	2:08 P	2:20 P	.01	0.23	0.30	0.37											

* The duration is the time precipitation was actually recorded.

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Prepared by E. L. H.

Eric L. Hardy, Meteorologist, Weather Bureau.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind, for the Month of JUL 1931, 193

Number of Station barometer, 656; sum of corrections, -026 inch.

SPECIAL OBSERVATIONS.

Date.	Time. 75th mer.	Time. Local (standard).	Barometer. Attached thermometer	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
											Extreme of pressure														
5	4 45 pm	3 45 pm				28.650	29.54	78																	
12	9 30 am	8 30 am				29.250	30.16	73																	

8—154 If additional space is required, rule a sheet similar to this, and paste to this margin. †By dial when self-register is out of order. ††T indicates trace of precipitation.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JUL 1931, 193

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1	8	2			15	1			16	5	33	7	25	7	20	2			117	24
2	23	7	28	6	6	1			8	4			20	4	12	2			97	24
3	164	17	48	7															212	24
4	17	2	83	11	80	11													180	24
5					34	5	21	3	60	5	27	4	62	7					204	24
6									19	5	39	9	33	8	6	2			97	24
7	5	1					6	1	30	6	76	9	13	2	33	5			163	24
8	24	4											14	3	120	17			158	24
9	59	11	6	3	7	2							15	1	34	17			111	24
10	115	8	32	5											10	1			157	24
11	29	7											6	1	72	16			107	24
12	22	9			22	4	20	4	10	2	18	3							103	24
13	12	2	10	2			16	3	27	6	39	6	30	5					134	24
14			25	6	15	5			14	2	21	5	36	6					111	24
15					16	2	14	2			83	14	42	6					155	24
16											61	12	52	9	20	3			133	24
17									8	1	90	15	20	4	37	4			155	24
18	3	1							53	8	71	12	26	3					153	24
19					5	1			92	14	58	7	10	1	5	1			170	24
20													116	12	70	12			186	24
21									25	3	102	18	11	3					138	24
22									7	1	34	7	74	8	70	8			185	24
23	35	10											9	2	107	12			151	24
24	119	11											12	4	46	9			177	24
25											115	22	3	1			0	1	118	24
26									8	2	85	18	22	4					115	24
27									70	11	57	13							127	24
28									56	8	183	16							239	24
29											140	14	50	7	7	2	0	1	197	24
30	18	4			35	8			4	1	32	4	19	4	7	3			115	24
31			49	7	158	17													207	24
SUM,	653	106	281	47	393	57	77	13	507	84	1480	227	664	112	617	96	0	2	4672	744
PERCENTAGE,	14	14	6	6	8	8	2	2	11	11	32	31	14	15	13	13	0	0	a	a
AVG. HOURLY VELOCITY,	6.2	a	6.0	a	6.9	a	5.9	a	6.0	a	6.5	a	5.9	a	6.4	a	0	a	6.3	a

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of AUG 1931, 193

Number of Station barometer, 656; sum of corrections, -.026 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:12 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-Reg. Ther's. Max. (b)	Self-Reg. Ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In. ×	In. ×	° ×	° ×	° ×	% ×	In. ×	°	°		Mi. ×	Mi.		In. ×	×						
1	87.0	29.320	.180	29.140	30.05	73.0	64.0	59	61	.499	82.1	68.9	E	10			T	6 2	a cu cu	E E	Cloudy		E.L.H.	1
2	85.0	29.188	.175	29.013	29.91	77.0	72.0	70	79	.732	77.0	71.2	S	7			T	0	0	0	Clear		L.C.S.	2
3	86.0	29.280	.178	29.102	30.00	67.2	66.7	66	97	.638	88.2	66.1	SW	3			0.18	10	St cu	SW	Cloudy		E.L.H.	3
4	87.0	29.319	.180	29.139	30.05	69.2	64.2	61	77	.536	77.5	64.0	SW	2			0	1	a cu	E	Clear		E.L.H.	4
5	86.0	29.330	.178	29.152	30.05	72.0	65.5	62	71	.555	85.1	68.2	S	2			0	0	0	0	Clear		E.L.H.	5
6	88.0	29.278	.183	29.095	29.98	77.0	69.2	65	68	.616	89.9	71.9	0	0			0	0	0	0	Clear		E.L.H.	6
7	89.5	29.280	.187	29.093	29.98	78.0	71.5	69	73	.707	89.1	70.8	0	0			0	1	ci cu	W	Clear		E.L.H.	7
8	90.0	29.258	.188	29.070	29.96	77.0	72.0	70	79	.732	88.2	73.9	S	2			0	3	a cu	SW	Clear		E.L.H.	8
9	90.0	29.140	.188	28.952	29.84	73.0	72.5	72	98	.783	88.0	72.0	SW	4			0.81	10	St cu	W	Cloudy		E.L.H.	9
10	84.0	29.074	.171	28.903	29.81	65.2	63.2	62	90	.555	75.8	63.8	W	4			0.92	2 7	a cu St cu	SW W	Cloudy		E.L.H.	10
11	78.0	29.200	.156	29.044	29.96	63.0	60.2	58	85	.482	71.5	60.0	N	8			0	6	St cu	NE	Pt Cloudy		E.L.H.	11
12	74.0	29.350	.146	29.204	30.12	58.0	53.5	50	75	.360	65.6	56.6	N	6			T	2 7	a cu cu	W N	Cloudy		E.L.H.	12
13	73.0	29.380	.144	29.236	30.16	59.0	55.0	52	78	.387	65.8	56.8	N	6			0	2 2	a cu St cu	E N	Cloudy		E.L.H.	13
14	72.5	29.520	.143	29.377	30.31	63.0	61.2	60	91	.517	66.8	59.2	0	0			0	2	ci St	SE	Clear		E.L.H.	14
15	76.0	29.570	.152	29.418	30.34	69.0	63.2	60	73	.517	77.0	62.8	E	1			0	2	ci	E	Clear		E.L.H.	15
16	79.5	29.564	.162	29.402	30.32	69.0	62.5	59	70	.499	81.0	66.1	0	0			0	2	ci St	S	Clear		L.C.S.	16
17	82.5	29.470	.170	29.300	30.21	71.3	66.2	64	77	.595	84.0	68.0	SW	1			0	2 6	ci cu a cu	SW SW	Cloudy		E.L.H.	17
18	84.0	29.348	.173	29.175	30.08	72.6	70.0	69	88	.707	82.0	69.5	SW	12			0	7 2	ci St a cu	SW SW	Cloudy		E.L.H.	18
19	80.5	29.256	.163	29.093	30.00	69.2	66.5	65	87	.616	71.4	67.6	SW	6			T	10	St	SW	Light Rain		E.L.H.	19
20	79.5	29.250	.161	29.089	30.00	65.9	62.5	61	83	.536	76.0	65.9	NE	8			0	2 1 2 4	ci cu a cu St cu	W W NE NE	Cloudy		E.L.H.	20
21	76.0	29.342	.151	29.191	30.11	62.5	57.2	54	73	.417	73.0	58.8	NE	8			0	1	cu	NE	Clear		R.E.L.	21
22	75.0	29.428	.150	29.278	30.20	62.3	57.0	54	73	.417	73.1	56.8	NE	5			0	0	0	0	Clear		R.E.L.	22
23	76.5	29.470	.154	29.316	30.24	61.8	57.0	54	75	.417	75.8	57.6	SE	1			0	FEW	ci	W	Clear		R.E.L.	23
24	78.0	29.361	.157	29.204	30.12	65.6	59.6	56	71	.448	77.8	63.0	SW	7			0	4 4	ci ci cu	W W	Cloudy		R.E.L.	24
25	81.0	29.291	.165	29.126	30.04	67.7	64.5	63	84	.575	78.8	67.0	NW	6			0	9	ci St	NW	Cloudy		R.E.L.	25
26	74.5	29.252	.161	29.091	30.00	62.8	62.3	62	97	.555	74.5	62.8	NE	6			.06	10	St	NE	Light Rain		R.E.L.	26
27	76.0	29.270	.151	29.119	30.04	61.0	59.8	59	93	.499	68.4	57.8	SE	2			0	0	0	0	Clear		R.E.L.	27
28	77.0	29.020	.152	28.868	29.78	64.5	63.0	62	92	.555	74.9	62.2	SW	12			0.46	10	St cu	SW	Cloudy		R.E.L.	28
29	75.5	29.234	.150	29.084	30.00	56.2	51.7	48	74	.334	69.2	53.9	SW	10			0	0	0	0	Clear		R.E.L.	29
30	74.5	29.304	.147	29.157	30.08	58.2	56.2	55	89	.432	67.5	58.0	S	9			.02	3 5	cu nb St cu	S S	Light Rain		L.C.S.	30
31	72.5	29.341	.142	29.199	30.12	56.3	48.3	41	55	.256	64.0	52.6	SE	5			0	3 4	ci ci St	NW NW	Pt Cloudy		L.C.S.	31
Sums		(a)	(a)	903.630	931.86	2067.5	1938.2	1862	2476	16.474	(a)	(a)	(a)	153	(a)	(a)	2.45	160	(a)	(a)	(a)		(a)	(a)
Means		(a)	(a)	29.149	30.060	66.7	62.5	60.1	79.9	.531	(a)	(a)	(c) SW	4.9	(a)	(a)	(a)	5.2	U a cu L St cu	U W L NE	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121. "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at ~~Fort Wayne, Ind.~~, for the Month of AUG 1931, 193

Number of Station barometer, 656; sum of corrections, -.026 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:01 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-Reg. Ther's. Max. (b)	Self-Reg. Ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	83.0	29.230	.169	29.061	29.97	73.2	72.2	72	95	.783	88.0	72.1	N	4			0.44	10	St Cu	N	Cloudy			L.C.S.	1
2	88.0	29.118	.182	28.936	29.83	88.2	73.1	66	49	.638	92.2	77.0	SW	7			0	3	Cu	SW	Clear			L.C.S.	2
3	83.0	29.270	.170	29.100	30.01	77.5	67.0	62	58	.555	82.1	67.2	S	5			.01	2	a Cu	S	Clear			L.C.S.	3
4	87.0	29.254	.180	29.074	29.98	85.1	71.0	64	50	.595	89.9	69.2	SW	3			0	0	0	0	Clear			L.C.S.	4
5	89.5	29.240	.186	29.054	29.95	89.9	70.0	60	37	.517	94.4	72.0	SE	3			0	0	0	0	Clear			L.C.S.	5
6	91.0	29.220	.190	29.030	29.92	89.1	70.0	60	38	.517	94.2	77.0	SE	3			0	2	Cu	SE	Clear			L.C.S.	6
7	91.0	29.212	.190	29.022	29.91	88.2	70.1	61	41	.536	94.0	78.0	SE	4			0	3 2	Ci St Cu	S SE	Pt Cloudy			L.C.S.	7
8	92.5	29.136	.194	28.942	29.83	88.0	75.2	70	56	.732	92.2	77.0	SW	3			0	7	a Cu	SW	Pt Cloudy			E.L.H.	8
9	83.0	29.074	.168	28.906	29.81	75.8	70.0	67	75	.661	81.6	73.0	NW	8			.01	10	St Cu	NW	Cloudy			E.L.H.	9
10	81.5	29.114	.165	28.949	29.86	71.5	62.0	56	58	.448	78.1	65.2	NW	7			0	7	St Cu	NW	Pt Cloudy			L.C.S.	10
11	77.0	29.262	.154	29.108	30.03	65.6	60.2	57	74	.465	73.1	63.0	NE	6			0.27	7	St Cu	NE	Pt Cloudy			L.C.S.	11
12	74.0	29.346	.146	29.200	30.12	65.8	60.8	56	71	.448	70.3	58.0	O	0			T	8	St Cu	N	Cloudy			L.C.S.	12
13	74.5	29.404	.148	29.256	30.19	66.8	64.7	64	89	.595	78.0	59.0	NE	4			0.17	4 4	a Cu St Cu	N NE	Cloudy			L.C.S.	13
14	76.0	29.480	.152	29.328	30.25	77.0	63.8	56	48	.448	80.2	63.0	E	5			0	1	a Cu	E	Clear			L.C.S.	14
15	81.0	29.518	.166	29.352	30.27	81.0	68.0	61	52	.536	84.1	69.0	O	0			0	0	0	0	Clear			L.C.S.	15
16	82.5	29.472	.170	29.302	30.22	84.0	67.1	58	41	.482	88.2	69.0	O	0			0	1	Ci St	N	Clear			L.C.S.	16
17	86.0	29.356	.178	29.178	30.09	82.0	70.9	66	58	.638	89.1	71.3	SW	4			0	3 1	Ci St St Cu	W SW	Pt Cloudy			L.C.S.	17
18	81.0	29.264	.165	29.099	30.01	71.4	68.2	67	85	.661	83.3	71.4	W	5			0.10	10	St Cu	W	Cloudy			L.C.S.	18
19	80.0	29.204	.162	29.042	29.94	76.0	69.1	66	70	.638	79.6	69.2	O	0			.01	10	St	W	Cloudy			L.C.S.	19
20	78.5	29.250	.158	29.092	30.00	73.0	66.8	64	72	.595	80.0	65.9	NE	4			0.17	8	St Cu	NE	Cloudy			L.C.S.	20
21	77.5	29.356	.155	29.201	30.12	73.1	58.0	47	40	.322	79.6	62.5	E	5			0	FEW	a Cu	E	Clear			L.C.S.	21
22	78.0	29.390	.157	29.233	30.15	75.8	59.1	47	36	.322	80.6	62.3	E	4			0	FEW	Ci St	E	Clear			R.E.L.	22
23	79.0	29.371	.159	29.212	30.13	77.8	61.2	50	38	.360	84.0	61.8	SW	4			0	3 4	Ci Ci St	W W	Pt Cloudy			R.E.L.	23
24	82.0	29.252	.167	29.085	30.00	78.8	66.3	60	52	.517	85.5	65.6	SW	5			0	2 5	a Cu St Cu	W SW	Pt Cloud.			L.C.S.	24
25	80.5	29.224	.163	29.061	29.97	74.5	68.0	64	72	.595	79.9	67.7	S	4			0	5	St Cu	S	Pt Cloudy			L.C.S.	25
26	77.5	29.218	.155	29.063	29.98	68.4	64.0	62	79	.555	72.4	62.8	E	5			.08	2 4	a Cu Cu	E E	Pt Cloudy			L.C.S.	26
27	79.0	29.130	.159	28.971	29.88	74.9	63.9	58	55	.482	80.2	61.0	S	6			.26 0	1.28 2	Ci St Cu	W S	Clear			L.C.S.	27
28	78.0	29.156	.156	29.000	29.92	69.2	59.2	52	55	.387	74.8	64.5	W	12			T	2	Cu	W	Clear			E.L.H.	28
29	76.0	29.222	.151	29.071	29.99	67.5	55.5	46	46	.310	73.0	56.2	SW	6			0	4	St Cu	SW	Pt Cloudy			L.C.S.	29
30	75.0	29.304	.149	29.155	30.08	64.0	52.9	44	47	.287	73.1	58.2	NW	7			.01	7 W	a St	W	Clear			L.C.S.	30
31	76.0	29.220	.151	29.069	29.99	69.0	67.5	67	93	.661	82.4	56.3	SW	6			0.25	9	St Cu	SW	~~Cloudy~~ Light Rain			R.E.L.	31
Sums		(a)	(a)	902.152	930.40	2362.1	2035.8	1850	1830	16286	(a)	(a)	(a)	139	(a)	(a)	1.52	146	(a)	(a)	(a)	0	0	(a)	(a)
Means		(a)	(a)	29.102	30.013	76.2	65.7	59.7	59.0	.525	(a)	(a)	(c) SW	4.5	(a)	(a)	(a)	4.7	U a Cu L St Cu	U SW L SW	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of AUG 1931, 193

Date.	Temperature. Maximum. (b)	Minimum (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b)††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.	
	°	°	°	°	82																In.		-7.73		In.	In.	In.	In.		
Saturday 1	88	69	19	4	78																0.44	.14	+.30	+.30	0	0	0	0	1	R R
2	92	71	21	4	82																.05	.14	-.09	+.21	0	0	0	0	2	R R
3	82	66	16	8	74																0.14	.12	+.02	+.23	0	0	0	0	3	R
4	90	64	26	3	77																0	.11	-.11	+.12	0	0	0	0	4	
5	94	68	26	4	81																0	.10	-.10	+.02	0	0	0	0	5	
6	94	72	22	2	83																0	.10	-.10	-.08	0	0	0	0	6	
7	94	71	23	1	82																0	.10	-.10	-.18	0	0	0	0	7	
8	92	74	18	1	83																.01	.10	-.09	-.27	0	0	0	0	8	R
9	82	70	12	7	76																0.96	.10	+.86	+.59	0	0	0	0	9	R
10	78	62	16	6	70																0.77	.11	+.66	+1.25	0	0	0	0	10	
11	73	60	13	4	66																0.27	.10	+.17	+1.42	0	0	0	0	11	
12	70	57	13	2	64																T	.11	-.11	+1.31	0	0	0	0	12	
13	78	57	21	4	68																0.17	.11	+.06	+1.37	0	0	0	0	13	
14	80	59	21	2	70																0	.10	-.10	+1.27	0	0	0	0	14	
15	84	63	21	4	74																0	.10	-.10	+1.17	0	0	0	0	15	
16	88	66	22	3	77																0	.10	-.10	+1.07	0	0	0	0	16	
17	89	68	21	1	78																0	.09	-.09	+.98	0	0	0	0	17	
18	83	69	14	2	76																0.10	.09	+.01	+.99	0	0	0	0	18	R
19	80	68	12	2	74																.01	.10	-.09	+.90	0	0	0	0	19	
20	80	65	15	2	72																0.17	.10	+.07	+.97	0	0	0	0	20	R
21	80	59	21	2	70																0	.10	-.10	+.87	0	0	0	0	21	
22	81	57	24	1	69																0	.10	-.10	+.77	0	0	0	0	22	
23	84	58	26	2	71																0	.08	-.08	+.69	0	0	0	0	23	
24	86	63	23	3	74																0	.08	-.08	+.61	0	0	0	0	24	
25	80	67	13	0	74																0	.09	-.09	+.52	0	0	0	0	25	
26	72	63	9	6	68																0.14	.09	+.05	+.57	0	0	0	0	26	
27	80	58	22	1	69																3.23 0.12	.09	+.03	+.60	0	0	0	0	27	R
28	75	60	15	1	68																0.34	.09	+.25	+.85	0	0	0	0	28	R
29	73	54	19	4	64																0	.10	-.10	+.75	0	0	0	0	29	
30	73	56	17	0	64																.03	.09	-.06	+.69	0	0	0	0	30	R
31	82	53	29	4	68																0.25	.08	+.17	+.86	0	0	0	0	31	R
S	2557	1967	590	90	2264		Total excess or deficiency since Jan. 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	3.97	3.11	Total excess or deficiency since Jan. 1,		0	0	(a)	(a)	(a)	
M	82.5	63.5	19.0	2.9	(a) 73.0	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	-6.87		(a)	(a)	(a)	(a)	(a)	

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S^d—dry snow, S^m—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths

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SUMMARY FOR THE MONTH OF AUG 1931, 193

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.004)

STATION. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.149	29.102	29.126	29.440	15	28.800	28	0.640	30.060	30.013	30.036	30.36	15	29.70	28	0.66
Corrected mean		29.122						Corrected mean		30.032					

TEMPERATURE.

Mean. Dry. 8 a. m.	8 p. m.	(8+8)÷2 (g)	Wet. 8 a. m.	8 p. m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
66.7	76.2	71.4	62.5	65.7	64.1	82.5	63.5	73.0	94	5	53	31	41	29	31	9	26

Dew-point. 8 a. m.	8 p. m.	Monthly. (g)	Relative Humidity. 8 a. m.	8 p. m.	Monthly. (g)	Vapor Pressure. 8 a. m.	8 p. m.	Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
60.1	59.7	59.9	79.9	59.0	69.4	.531	.525	.528	0	5	0	0

Clouds.
Most frequent clouds: Ac Cu
Most frequent direction upper clouds: West
Most frequent direction lower clouds: SW & W

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
4326	5.8	SW	28	SE	28	4	7	6	6	7	17	3	4	8

WEATHER.

Mean Cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of Days. Clear.	Partly cloudy.	Cloudy.	Number of Days with Precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
5.2	4.7	5.1	59	11	13	7	1	9	6

MISCELLANEOUS PHENOMENA.

Dates of—(Midnight to Midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (33 miles or over.)	Solar Halos.	Lunar Halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
—	—	—	1, 2, 3, 8, 9, 18, 20, 27, 28, 30, 31	—	—	31	—	—	—	—	—	—	—	—

PRECIPITATION (in inches and hundredths). (m)

Total amount	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
3.97	.96	9	—	—	—	—	—	—	1	16	13	6	0	17	—	—	—	—

(w) Maximum precipitation in 5 minutes 0.25, date 1; 10 minutes 0.34, date 1; 15 minutes 0.37, date 1
30 minutes 0.43, date 1; 1 hour 0.46, date 9; 2 hours 0.61, date 9

EXCESSIVE.

Date.	Total Duration. From—	To—	Total amount of precipitation.	Excessive Rate. Began—	Ended—	Amt. before excessive began.	Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
1	5:05 P	5:55 P	0.44	5:25 P	5:35 P	.07	0.21	0.34												

* The duration is the time precipitation was actually recorded.

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Prepared by _____, _____, Weather Bureau.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of AUG 1931, 193

Number of Station barometer, 656; sum of corrections, -.026 inch.

Date.	Time. 75th mer.	Time. Local (standard).	Barometer. Attached thermometer	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
										Extremes of pressure															
15	11 00 AM	10 00 AM				29.440	30.36	79.0															Highest	L.C.S	15
28	3 40 AM	2 40 AM				28.800	29.70	63.0															Lowest	L.C.S	28

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If additional space is required, rule a sheet similar to this, and paste to this margin.

†By dial when self-register is out of order.

††T indicates trace of precipitation.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of AUG 1931, 193

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1	17	2	30	5	132	17													179	24
2					1	1	12	3	19	3	180	17							212	24
3									13	3	57	13	33	6	17	2			120	24
4									31	7	47	13	14	3			0	1	92	24
5			4	1	9	2	8	5	8	2	23	10	4	2			0	2	56	24
6					35	5	27	8	11	6	6	2					0	3	79	24
7							110	17									0	7	110	24
8							3	1	38	8	95	13			17	1	0	1	153	24
9	8	2	3	1					7	1	27	5	22	3	97	12			164	24
10	13	2											9	2	161	20			183	24
11	154	16	55	6											5	2			214	24
12	131	21	20	3															151	24
13	85	14	5	2											39	7	0	1	129	24
14	2	1	8	2	32	10							1	1	4	3	0	7	47	24
15					11	6	4	1	9	3	14	5	13	3			0	6	51	24
16											9	5	12	4			0	15	21	24
17											95	18					0	6	95	24
18											141	19	31	5					172	24
19			4	1							64	13	23	7	11	3			102	24
20	6	1	160	22	10	1													176	24
21	43	6	117	11	34	7													194	24
22	45	5	59	11	19	4	19	4											142	24
23							18	8			41	9	24	5	4	1	0	1	87	24
24									24	4	128	18	21	2					173	24
25	23	4	28	7	4	1			15	5	14	2	19	3	6	2			109	24
26	11	2	69	11	56	11													136	24
	538	76	562	83	343	65	201	47	175	42	941	162	226	46	361	53		50	3347	
27			5	4	5	2	35	5	56	8	32	4					0	1	133	24
28							12	1	24	2	258	20	10	1					304	24
29											197	21	47	3					244	24
30	20	4							6	2	22	6	47	6	54	6			149	24
31	4	1			33	5	51	8	51	9	10	1							149	24
SUM,	562	81	567	87	381	72	299	61	312	63	1460	214	330	56	415	59	0	51	4326	744
PERCENTAGE,	13	11	13	12	9	10	7	8	7	8	34	29	8	7	9	8	0	7	a	a
AVG. HOURLY VELOCITY,	6.9	a	6.5	a	5.3	a	4.9	a	5.0	a	6.8	a	5.9	a	7.0	a	0	a	5.8	a

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of SEP 1931, 193

Number of Station barometer, 6.56; sum of corrections, −.026 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-Reg. Ther's. Max. (b)	Self-Reg. Ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	75.0	29.064	.148	28.916	29.83	70.5	65.0	62	75	.555	70.5	68.5	S	12			T	9	St cu	S	Cloudy		L.C.S.	1
2	74.5	29.060	.146	28.914	29.82	57.7	56.2	55	91	.432	69.8	57.7	NE	9			.08	10	St cu	NE	Cloudy		L.C.S.	2
3	71.0	29.194	.138	29.056	29.98	58.0	56.1	55	89	.432	62.0	56.1	SW	3			0	0	0	0	Clear		L.C.S.	3
4	73.0	29.204	.143	29.061	29.98	61.2	59.1	58	88	.482	65.0	58.3	SW	8			T	9	St cu	SW	Light Rain		L.C.S.	4
5	73.5	29.276	.145	29.131	30.05	57.8	56.8	56	94	.448	71.0	57.6	SW	3			0	0	0	0	Clear		L.C.S.	5
6	76.5	29.262	.153	29.109	30.02	63.5	59.5	57	79	.465	75.4	63.5	NE	7			0	3	Ci St	N	Clear		R.E.L.	6
7	76.0	29.402	.152	29.250	30.18	59.8	55.3	52	76	.387	72.9	56.4	E	6			0	0	0	0	Clear		E.L.H.	7
8	76.5	29.344	.153	29.191	30.11	63.3	59.3	57	79	.465	75.2	61.7	SW	12			T	2	a cu	S	Clear		L.C.S.	8
9	80.0	29.284	.162	29.122	30.03	66.6	62.5	60	80	.517	80.0	63.9	SW	2			0	1	a cu	W	Clear		L.C.S.	9
10	82.5	29.330	.169	29.161	30.07	67.6	63.5	62	83	.555	81.6	65.4	SW	6			0	1	a cu	W	Clear		L.C.S.	10
11	84.5	29.434	.175	29.259	30.18	71.6	68.5	67	86	.661	83.3	68.7	SW	3			0	0	0	0	Clear		L.C.S.	11
12	86.5	29.432	.180	29.252	30.16	74.0	68.1	65	74	.616	86.0	70.8	SW	1			0	5	a cu	W	Pt Cloudy		L.C.S.	12
13	87.0	29.308	.180	29.128	30.03	72.2	67.2	65	78	.616	84.0	69.8	S	6			0	0	0	0	Clear		E.L.H.	13
14	86.5	29.184	.177	29.007	29.90	75.0	70.0	68	78	.684	82.0	73.7	SW	12			0	3 5	a cu St cu	W SW	Cloudy		L.C.S.	14
15	81.0	29.226	.164	29.062	29.97	70.3	68.8	68	93	.684	76.6	70.0	SW	6			T	8	St cu	SW	Cloudy		L.C.S.	15
16	80.5	29.338	.163	29.175	30.10	69.3	68.8	68	97	.684	75.0	69.3	E	2			.04	10 10	lt fog St	E E	Light Rain		L.C.S.	16
17	83.5	29.234	.171	29.063	29.96	74.0	71.5	70	89	.732	84.0	73.6	SW	10			0	4 1	a cu cu	W SW	Pt Cloudy		L.C.S.	17
18	78.0	29.366	.157	29.209	30.13	62.0	59.5	58	87	.482	74.8	61.3	E	9			0	4 2	a cu cu	E E	Pt Cloudy		L.C.S.	18
19	75.0	29.318	.149	29.169	30.09	60.1	58.6	58	92	.482	66.0	58.3	E	7			0	3	a cu	E	Clear		L.C.S.	19
20	77.5	29.140	.155	28.985	29.88	74.0	70.0	68	82	.684	74.5	71.6	S	8			0	0	0	0	Clear		L.C.S.	20
21	81.0	29.220	.164	29.056	29.95	76.1	70.0	67	74	.661	83.0	73.8	S	8			0	1	Ci St	S	Clear		L.C.S.	21
22	85.0	29.340	.175	29.165	30.06	74.5	70.0	68	80	.684	84.3	74.5	W	9			T	10	St cu	W	Cloudy		L.C.S.	22
23	82.5	29.340	.169	29.171	30.08	70.3	65.3	62	77	.555	78.0	67.3	S	2			T	10	St cu	S	Light Rain		L.C.S.	23
24	78.5	29.380	.159	29.221	30.14	55.9	50.9	47	71	.322	76.8	55.0	N	8			0	1	a cu	N	Clear		L.C.S.	24
25	74.0	29.124	.145	28.979	29.90	57.8	51.0	45	62	.298	63.0	57.5	SE	14			T	10	St cu	SE	Cloudy		L.C.S.	25
26	71.0	28.960	.137	28.823	29.73	52.2	51.0	50	93	.360	67.4	50.2	SW	12			T	10	St	W	Cloudy		E.L.H.	26
27	61.0	29.244	.111	29.133	30.06	50.2	47.2	44	81	.287	54.0	49.2	N	10			.04	10	St cu	N	Cloudy		R.E.L.	27
28	63.5	29.454	.119	29.335	30.28	47.2	45.0	43	85	.277	55.8	45.5	N	4			0	2	Ci cu	N	Clear		L.C.S.	28
29	67.5	29.558	.130	29.428	30.37	52.0	49.0	46	81	.310	58.0	48.0	N	2			0	0	0	0	Clear		L.C.S.	29
30	69.5	29.620	.135	29.485	30.42	52.6	48.0	43	72	.277	63.6	49.7	SE	5			0	1	Ci St	E	Clear		L.C.S.	30
31																								31
Sums		(a)	(a)	874.016	901.46	1916.7	1811.7	1744	2466	15.094	(a)	(a)	(a)	206	(a)	(a)	0.16	135	(a)	(a)	(a)		(a)	(a)
Means		(a)	(a)	29.134	30.049	63.9	60.4	58.1	82.2	.503	(a)	(a)	(c) SW	6.9	(a)	(a)	(a)	4.5	U a. cu L St. cu	U W L SW	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121. "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of SEP 1931, 193

Number of Station barometer, 656; sum of corrections, -.026 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-Reg. Ther's. Max. (b)	Self-Reg. Ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	76.5	29.068	.151	28.917	29.83	69.8	67.8	67	90	.661	75.0	69.8	SW	4			.08	10	St cu	W	Cloudy			R.E.L.	1
2	73.0	29.096	.142	28.954	29.87	62.0	60.0	59	89	.499	64.0	57.7	SW	3			.08	3 4	cu St cu	SW SW	Pt Cloudy			R.E.L.	2
3	74.0	29.181	.146	29.035	29.96	65.0	61.0	59	80	.499	76.0	58.0	SW	4			T	1	ci a cu	W W	Clear			R.E.L.	3
4	75.0	29.203	.149	29.054	29.97	71.0	65.0	62	73	.555	78.0	61.2	W	8			T	0	0	0	Clear			R.E.L.	4
5	77.0	29.126	.153	28.973	29.89	75.4	65.8	61	61	.536	82.1	57.8	SW	7			0	1	ci	NW	Clear			R.E.L.	5
6	77.0	29.300	.154	29.146	30.06	72.9	60.9	53	50	.402	78.8	63.5	N	4			0	0	0	0	Clear			R.E.L.	6
7	77.5	29.344	.155	29.189	30.11	75.2	63.2	56	51	.448	81.1	59.8	SE	6			0	2	ci	SE	Clear			E.L.H.	7
8	81.5	29.262	.166	29.096	30.01	80.0	61.2	48	33	.334	90.0	63.3	SW	6			0	2	ci	NE	Clear			R.E.L.	8
9	85.0	29.264	.175	29.089	30.00	81.6	67.6	61	49	.536	93.5	66.6	SW	5			0	FEW	ci St	W	Clear			R.E.L.	9
10	86.0	29.318	.178	29.140	30.05	83.3	70.8	65	54	.616	92.0	67.0	SW	5			0	1 2	ci ci cu	NW NW	Clear			R.E.L.	10
11	88.0	29.380	.183	29.197	30.10	86.0	69.0	60	42	.517	95.0	71.6	S	5			0	1	ci	SW	Clear			R.E.L.	11
12	88.0	29.320	.183	29.137	30.04	84.0	70.0	63	50	.575	91.9	74.0	S	6			0	1	a cu	SW	Clear			E.L.H.	12
13	87.5	29.181	.181	29.000	29.90	82.0	70.5	65	56	.616	88.0	72.2	S	12			0	1	cu	W	Clear			E.L.H.	13
14	81.0	29.142	.164	28.978	29.88	74.3	69.0	67	77	.661	81.0	72.0	S	12			0.17	10	St cu	SW	Cloudy			R.E.L.	14
15	81.0	29.280	.165	29.115	30.02	75.0	72.5	71	89	.757	79.4	70.3	E	5			.02	10	St	NW	Light Rain			R.E.L.	15
16	85.0	29.242	.175	29.067	29.98	84.0	75.0	71	66	.757	91.0	69.3	SW	9			0.14	0	0	0	Clear	DNH-8:40A		R.E.L.	16
17	82.0	29.262	.167	29.095	30.00	74.8	69.8	68	78	.684	84.0	74.0	NW	10			T	9	St	NW	Cloudy			R.E.L.	17
18	76.0	29.358	.151	29.207	30.13	66.0	58.5	54	64	.417	72.4	62.0	NE	7			0	3 6	a cu St cu	NW NW	Cloudy			R.E.L.	18
19	77.0	29.144	.154	28.990	29.91	74.5	62.4	55	51	.432	80.5	60.1	E	8			T	3	St cu	E	Clear			L.C.S.	19
20	81.5	29.144	.166	28.978	29.87	83.0	73.1	69	63	.707	89.3	74.0	S	7			0	1	cu	S	Clear			L.C.S.	20
21	86.5	29.224	.179	29.045	29.94	84.3	73.8	69	61	.707	92.0	76.1	S	8			0	0	0	0	Clear			R.E.L.	21
22	83.5	29.392	.172	29.220	30.13	78.0	68.0	63	60	.575	85.0	74.0	NW	3			0.3	3	ci cu	SW	Clear			R.E.L.	22
23	82.0	29.225	.167	29.058	29.97	76.8	69.2	66	69	.638	84.3	67.1	W	6			0.13	1 2	ci St cu	NW NW	Pt Cloudy			R.E.L.	23
24	76.0	29.322	.151	29.171	30.09	63.0	53.5	46	53	.310	68.0	55.9	N	3			0	5	ci St	N	Pt Cloudy			R.E.L.	24
25	73.0	28.840	.141	28.699	29.61	67.0	66.5	66	97	.638	67.0	53.1	SW	5			1.30	10	St cu	SW	Cloudy			R.E.L.	25
26	69.5	29.088	.133	28.955	29.88	53.5	51.0	48	85	.334	59.0	52.2	W	9			T	10	St cu	NW	Cloudy			R.E.L.	26
27	65.5	29.350	.124	29.226	30.16	55.8	49.0	43	62	.277	62.4	50.2	N	6			0	FEW	a cu	N	Clear			R.E.L.	27
28	71.5	29.440	.140	29.300	30.24	58.0	50.5	44	60	.287	64.2	47.2	NW	4			0	FEW	ci	NW	Clear			R.E.L.	28
29	71.5	29.565	.140	29.425	30.36	63.6	54.0	46	53	.310	70.0	52.0	E	5			0	0	0	0	Clear			R.E.L.	29
30	72.5	29.530	.143	29.387	30.32	65.0	56.0	49	57	.347	72.2	52.6	S	8			0	0	0	0	Clear			R.E.L.	30
31																									31
Sums		(a)	(a)	872.843	900.28	2184.8	1924.6	1774	1923	15.632	(a)	(a)	(a)	190	(a)	(a)	1.92	104	(a)	(a)	(a)	1	0	(a)	(a)
Means		(a)	(a)	29.095	30.009	72.8	64.2	59.1	64.1	.521	(a)	(a)	(c) SW	6.3	(a)	(a)	(a)	3.5	U ci L St cu	U NW L NW	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of SEP 1931, 193

Date.	Temperature. Maximum. (b)	Minimum (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b)††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
Tuesday 1	75	68	7	4	72																.08	.08	.00	.00	0	0	0	0	1
2	68	58	10	9	63		2														0.16	.10	+.06	+.06	0	0	0	0	2
3	76	56	20	3	66																T	.11	-.11	-.05	0	0	0	0	3
4	78	58	20	2	68																T	.11	-.11	-.16	0	0	0	0	4
5	82	58	24	2	70																0	.11	-.11	-.27	0	0	0	0	5
6	79	64	15	2	72																0	.11	-.11	-.38	0	0	0	0	6
7	81	56	25	4	68																0	.10	-.10	-.48	0	0	0	0	7
8	90	62	28	8	76																T	.10	-.10	-.58	0	0	0	0	8
9	94	64	30	3	79																0	.10	-.10	-.68	0	0	0	0	9
10	92	65	27	1	78																0	.10	-.10	-.78	0	0	0	0	10
11	95	69	26	4	82																0	.10	-.10	-.88	0	0	0	0	11
12	92	71	21	0	82																0	.10	-.10	-.98	0	0	0	0	12
13	88	70	18	3	79																0	.10	-.10	-1.08	0	0	0	0	13
14	81	72	9	3	76																0.17	.10	+.07	-1.01	0	0	0	0	14
15	79	70	9	2	74																.03	.10	-.07	-1.08	0	0	0	0	15
16	91	69	22	6	80																0.17	.10	+.07	-1.01	0	0	0	0	16
17	84	64	20	6	74																T	.10	-.10	-1.11	0	0	0	0	17
18	72	60	12	8	66																0	.10	-.10	-1.21	0	0	0	0	18
19	80	58	22	3	69																T	.10	-.10	-1.31	0	0	0	0	19
20	89	72	17	11	80																0	.11	-.11	-1.42	0	0	0	0	20
21	92	74	18	3	83																0	.11	-.11	-1.53	0	0	0	0	21
22	85	72	13	5	78																T	.11	-.11	-1.64	0	0	0	0	22
23	84	63	21	4	74																0.13	.10	+.03	-1.61	0	0	0	0	23
24	68	55	13	12	62		3														0	.10	-.10	-1.71	0	0	0	0	24
25	67	53	14	2	60		5														1.30	.11	+1.19	-.52	0	0	0	0	25
26	59	50	9	6	54		11														.04	.10	-.06	-.58	0	0	0	0	26
27	62	48	14	1	55		10														0	.10	-.10	-.68	0	0	0	0	27
28	64	46	18	0	55		10														0	.10	-.10	-.78	0	0	0	0	28
29	70	48	22	4	59		6														0	.10	-.10	-.88	0	0	0	0	29
30	72	50	22	2	61		4														0	.10	-.10	-.98	0	0	0	0	30
31																													31
S	2389	1843	546	123	2115		Total excess or deficiency since Jan. 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	2.08	3.06	Total excess or deficiency since Jan. 1,		0	0	(a)	(a)	(a)
M	79.6	61.4	18.2	4.1	(a)	(a)	5		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	-7.85		(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S^d—dry snow, S^m—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths

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SUMMARY FOR THE MONTH OF SEP 1931, 193

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.005)

STATION.								REDUCED.							
Mean.			Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	Mean.			Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
8 a. m.	8 p. m.	Monthly. (g)						8 a. m.	8 p. m.	Monthly. (g)					
29.134	29.095	29.114	29.500 ×	30	28.699	25	0.801	30.049	30.009	30.029	30.43 ×	30	29.61	25	0.82
Corrected mean		29.109						Corrected mean		30.024	× From barograph traces				

TEMPERATURE.

Mean. Dry. 8 a. m.	Dry. 8 p. m.	Dry. (8+8)÷2 (g)	Wet. 8 a. m.	Wet. 8 p. m.	Wet. Monthly. (g)	Max.	Min.	Monthly. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
63.9	72.8	68.4	60.4	64.2	62.3	79.6	61.4	70.5	95	11	46	28	49	30	9	7	1

Dew-point. 8 a. m.	Dew-point. 8 p. m.	Dew-point. Monthly. (g)	Relative humidity. 8 a. m.	Relative humidity. 8 p. m.	Relative humidity. Monthly. (g)	Vapor pressure. 8 a. m.	Vapor pressure. 8 p. m.	Vapor pressure. Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	Maximum. 90° or above.	Minimum. 32° or below.	Minimum. Zero or below.
58.1	59.1	58.6	82.2	64.1	73.2	.503	.521	.512	0	7	0	0

Clouds.

Most frequent clouds: Strato-cumulus

Most frequent direction upper clouds: West

Most frequent direction lower clouds: South west

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
5316	7.4	SW	26	W	26	7	3	7	3	12	21	4	3	0

WEATHER.

Mean Cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of Days. Clear.	Partly cloudy.	Cloudy.	Number of Days with Precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
4.5	3.5	4.3	63	16	7	7	0	2	6

MISCELLANEOUS PHENOMENA.

Dates of—(Midnight to Midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (33 miles or over.)	Solar Halos.	Lunar Halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
—	—	—	4, 14, 23, 25	—	—	28	16	—	—	—	—			

PRECIPITATION (in inches and hundredths). (m)

Total amount	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
2.08	1.30	25	—	—	—	—	—	—	6	8	7	1	1	14	0	0	0	0

(w) Maximum precipitation in 5 minutes 0.11, date 25; 10 minutes 0.13, date 25; 15 minutes 0.16, date 25

30 minutes 0.26, date 25; 1 hour 0.41, date 25; 2 hours 0.62, date 25

EXCESSIVE.

Date.	Total Duration. From—	To—	Total amount of precipitation.	Excessive Rate. Began—	Ended—	Amt. before excessive began.	Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
			none										none							

* The duration is the time precipitation was actually recorded.

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Prepared by C. E. Fisher, Eile L. Hardy, Meteorologist, Weather Bureau.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of SEP 1931, 193

Number of Station barometer, 656; sum of corrections, -.026 inch.

Date.	Time. 75th mer.	Time. Local (standard).	Barometer. Attached thermometer	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
25	2:00 PM	1:00 PM	73.0	28.922	.142	28.780	29.69	55.5	55.0	54	1.5	97	57.8	SE	12	18	E	0.89	10	Stcu	SE	Light Rain		L.C.S.	
										Extremes of Pressure															
30	9:30 AM	8:30 AM				29.500	30.43	59.0															Highest	LCS	30

8—154 If additional space is required, rule a sheet similar to this, and paste to this margin. †By dial when self-register is out of order. ††T indicates trace of precipitation.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of SEP 1931, 193

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90, meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1									94	9	109	13	18	2					221	24
2	18	2	10	3	47	9			10	2	35	8							120	24
3											68	15	43	6	20	3			131	24
4									39	5	58	7	89	12					186	24
5											184	17	27	7					211	24
6	76	10	40	8							9	2	11	2	8	2			144	24
7	9	2	24	5	20	6	55	11											108	24
8							21	6	15	2	96	13	17	3					149	24
9											103	18	31	6					134	24
10											132	24							132	24
11									21	4	78	20							99	24
12									35	6	73	17	3	1					111	24
13									103	14	142	10							245	24
14									134	14	113	9	12	1					259	24
15					34	5	5	1	12	2	77	16							128	24
16					21	7	4	1	56	7	82	9							163	24
17	31	4									80	9	38	4	75	7			224	24
18	14	2	157	21	10	1													181	24
19			18	3	111	15	43	5	10	1									182	24
20									100	13	161	11							261	24
21							9	1	122	13	161	10							292	24
22	9	2	3	1	7	2			43	4	47	5	66	7	13	3			188	24
23					8	2	11	3	10	3	4	1	70	8	64	7			167	24
24	100	14	4	1	14	2									52	7			170	24
25					8	1	166	16	8	1	31	4	22	2					235	24
26											124	12	145	12					269	24
27	95	9													140	15			235	24
28	53	10	31	4											34	10			118	24
29	20	7	35	7	39	9									4	1			98	24
30					15	16	12	2	66	8	62	8							155	24
31																				
SUM,	425	62	322	53	334	65	326	46	878	108	2029	258	592	73	410	55	0	0	5316	720
PERCENTAGE,	8	9	6	7	6	9	6	6	17	15	38	36	11	10	8	8	0	0	a	a
AVG. HOURLY VELOCITY,	6.9	a	6.1	a	5.1	a	7.1	a	8.1	a	7.9	a	8.1	a	7.5	a	0	a	7.4	a

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of OCT 1931, 193

Number of Station barometer, 656; sum of corrections, -.026 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-Reg. Ther's. Max. (b)	Self-Reg. Ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	71.0	29.592	.139	29.453	30.38	58.0	54.5	52	80	.387	65.0	57.3	SW	4			T	9	St Cu	SW	Cloudy		L.C.S.	1
2	72.0	29.434	.142	29.292	30.22	59.0	56.5	55	86	.432	65.5	58.0	SW	6			0	3	Ci	W	Clear		R.E.L.	2
3	73.5	29.400	.146	29.254	30.18	60.4	54.0	49	66	.347	72.0	57.6	S	5			0	3 2	Ci Cu Ci St	S S	Pt Cloudy		R.E.L.	3
4	75.0	29.324	.149	29.185	30.10	60.2	54.7	50	71	.360	73.0	58.8	S	6			0	Few	Ci Cu	S	Clear		E.L.H.	4
5	75.0	29.324	.149	29.175	30.10	66.5	64.0	62	88	.555	75.2	65.6	SW	7			.01	1 1	Cu Ci St	W NW	Clear		R.E.L.	5
6	77.5	29.372	.155	29.217	30.14	66.5	65.5	64	95	.595	78.0	64.7	SW	6			.02	10 10	Lt Fog St	? SW	Cloudy		R.E.L.	6
7	77.0	29.240	.154	29.086	30.00	68.0	66.5	66	93	.638	74.8	63.5	S	10			0.44	2 7	Ci St St Cu	W SW	Cloudy		R.E.L.	7
8	74.5	29.454	.148	29.306	30.24	55.5	52.0	50	79	.360	69.0	55.5	N	8			0.54	9 1	a St Cu	W NE	Cloudy		R.E.L.	8
9	69.0	29.530	.134	29.396	30.34	46.0	44.5	43	89	.277	55.8	45.5	NE	6			0	2	a Cu	E	Clear		R.E.L.	9
10	68.0	29.456	.131	29.325	30.26	48.0	45.3	43	82	.277	56.8	45.9	S	6			0	2	a Cu	NW	Clear		E.L.H.	10
11	71.5	29.240	.139	29.101	30.02	61.0	60.5	60	97	.517	63.6	58.2	SW	9			0.38	10	St Cu	SW	Light Rain		L.C.S.	11
12	64.5	29.756	.123	29.633	30.58	42.1	40.0	38	84	.228	52.0	41.1	NE	9			0	8	Ci St	NW	Cloudy		R.E.L.	12
13	65.5	29.450	.124	29.326	30.27	47.0	44.9	43	85	.277	50.5	46.3	SE	4			T	10	St	SW	Light Rain		R.E.L.	13
14	69.5	29.182	.134	29.048	29.97	59.4	59.2	59	99	.499	59.4	56.3	S	2			0.18	10	Dense Fog	?	Foggy		R.E.L.	14
15	70.5	29.210	.137	29.073	30.00	54.2	53.7	53	97	.402	58.0	53.8	W	3			0	10 10	Lt Fog St Cu	W W	Cloudy		E.L.H.	15
16	69.0	29.038	.132	28.906	29.84	48.0	47.1	46	94	.310	54.0	46.6	SW	8			0	2 1	a St Ci Cu	NW NW	Clear		R.E.L.	16
17	66.0	29.121	.124	28.997	29.94	40.2	36.7	32	72	.180	48.0	38.9	NW	12			0	7sw	Cu	NW	Clear		E.L.H.	17
18	64.5	29.442	.122	29.320	30.27	35.0	33.4	31	85	.172	44.9	33.9	SW	3			0	1	Ci	NW	Clear		R.E.L.	18
19	62.5	29.446	.116	29.330	30.27	39.9	36.1	31	70	.172	51.0	39.1	S	5			0	0	0	0	Clear		R.E.L.	19
20	67.0	29.324	.128	29.196	30.13	46.2	41.2	35	65	.203	54.8	45.5	S	8			0	7sw	Ci	W	Clear		R.E.L.	20
21	68.5	29.416	.132	29.284	30.22	49.5	47.5	46	87	.310	64.3	49.5	SW	1			0	10 2	St Fog Ci St	SW W	Clear		R.E.L.	21
22	70.0	29.370	.136	29.234	30.15	48.0	46.2	44	88	.287	68.0	48.0	E	2			0	0	0	0	Clear		E.L.H.	22
23	72.0	29.312	.141	29.171	30.09	57.0	50.0	44	61	.287	66.0	55.7	SE	10			0	2 6	Ci a Cu	W W	Cloudy		E.L.H.	23
24	73.5	29.122	.144	28.978	29.90	61.0	59.8	59	93	.499	68.5	59.7	SW	10			0.11	10	St	SW	Cloudy		E.L.H.	24
25	71.0	29.320	.138	29.182	30.11	50.0	45.5	41	71	.256	64.8	48.8	W	6			0	0	0	0	Clear		E.L.H.	25
26	65.5	29.510	.124	29.386	30.34	40.1	39.1	38	92	.228	50.3	38.8	NE	1			0	0	0	0	Clear		R.E.L.	26
27	68.5	29.110	.131	28.979	29.91	55.0	46.1	36	50	.211	57.0	52.0	SE	11			T	4 4	a Cu St Cu	W W	Cloudy		R.E.L.	27
28	68.0	28.940	.129	28.811	29.73	44.1	42.6	41	89	.256	56.0	44.1	S	9			0	7sw	Ci	W	Clear		R.E.L.	28
29	67.5	28.772	.127	28.645	29.56	44.9	40.4	35	68	.203	52.4	44.0	SW	4			T	9	St Cu	SW	Cloudy		R.E.L.	29
30	67.0	28.884	.127	28.757	29.69	38.2	37.5	37	94	.219	45.2	38.2	SW	6			.06	8 1	St Cu a St	SW W	Cloudy		L.C.S.	30
31	67.5	29.020	.128	28.892	29.82	43.2	42.2	41	92	.256	43.8	41.9	SW	8			.03	2 7	St Cu St.	SW SW	Cloudy		E.L.H.	31
Sums		(a)	(a)	903.938	932.77	1592.1	1507.2	1424	2562	10.200	(a)	(a)	(a)	195	(a)	(a)	1.77	149	(a)	(a)	(a)		(a)	(a)
Means		(a)	(a)	29.159	30.089	51.4	48.6	45.9	82.6	.329	(a)	(a)	(c) SW	6.3	(a)	(a)	(a)	4.8	U Ci & Ci St L St Cu	U W L SW	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121. "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of Oct 1931, 193

Number of Station barometer, 6.56; sum of corrections, −0.26 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-Reg. Ther's. Max. (b)	Self-Reg. Ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	73.0	29.520	.144	29.376	30.31	65.5	61.0	58	78	.482	76.0	58.0	W	5			0	FEW	ci	W	Clear			R.E.L.	1
2	74.5	29.354	.147	29.207	30.13	72.0	59.9	52	49	.387	79.0	59.0	S	5			0	0	0	0	Clear			L.C.S.	2
3	76.0	29.328	.151	29.177	30.10	73.0	60.5	52	48	.387	81.0	60.4	SE	6			0	0	0	0	Clear			E.L.H.	3
4	76.0	29.280	.151	29.129	30.04	75.2	65.2	60	59	.517	81.6	60.2	SW	8			0	4	cu	SW	Pt Cloudy			E.L.H.	4
5	79.0	29.314	.159	29.155	30.07	77.0	68.5	64	65	.595	84.2	66.5	W	5			0	5	cu	SW	Pt Cloudy TS			L.C.S.	5
6	78.5	29.296	.158	29.138	30.05	74.8	68.3	65	72	.616	78.4	66.5	S	5			0	8	cu	S	Cloudy TS	DNA.– 10:30A		L.C.S.	6
7	77.5	29.306	.155	29.151	30.06	69.0	66.4	65	88	.616	77.7	68.0	W	8			.06	4 4	acu cu	W W	Cloudy			L.C.S.	7
8	72.0	29.486	.142	29.344	30.28	55.8	50.3	46	69	.310	60.8	55.3	NE	8			0	8	acu	E	Cloudy			L.C.S.	8
9	69.5	29.456	.135	29.321	30.26	56.8	50.2	45	63	.298	61.6	46.0	SE	5			0	0	0	0	Clear			L.C.S.	9
10	73.0	29.272	.143	29.129	30.06	62.9	55.8	51	64	.373	66.3	48.0	SE	7			T	3	cu	SE	Clear	DNA– 6:40A		L.C.S.	10
11	69.0	29.610	.134	29.476	30.42	52.0	48.5	45	78	.298	65.0	52.0	N	10			0.10	0	0	0	Clear			L.C.S.	11
12	70.5	29.644	.139	29.505	30.46	50.5	46.5	42	74	.266	56.3	42.1	E	10			0	9	ast	E	Cloudy			L.C.S.	12
13	73.0	29.248	.143	29.105	30.04	56.3	55.1	54	93	.417	56.3	47.0	S	5			0.21	10 10	2 fog St	S S	Light Rain	3:00P cntd cntd–DNA	DNA 10:00A	L.C.S.	13
14	72.5	29.190	.142	29.048	29.97	58.0	56.1	55	89	.432	69.0	58.0	W	7			0.13	8	stcu	W	Cloudy	7:00A 11:30A		L.C.S.	14
15	75.0	29.190	.149	29.041	29.97	54.0	50.4	48	78	.334	60.0	54.0	W	6			T	0	0	0	Clear	DNA– 9:40A		R.E.L.	15
16	72.0	29.030	.140	28.890	29.82	48.0	43.8	40	72	.247	60.4	48.0	NW	13			T	3	acu	W	Clear			L.C.S.	16
17	71.0	29.268	.138	29.130	30.07	44.9	40.4	35	68	.203	53.9	40.2	NW	9			0	0	0	0	Clear			R.E.L.	17
18	64.5	29.404	.122	29.282	30.22	51.0	43.9	36	56	.211	57.2	35.0	SW	4			0	0	0	0	Clear			R.E.L.	18
19	74.0	29.344	.146	29.198	30.13	54.8	45.3	35	47	.203	62.3	39.9	S	8			0	0	0	0	Clear			L.C.S.	19
20	71.0	29.292	.138	29.154	30.08	64.3	55.3	48	56	.334	73.0	46.2	SW	7			0	0	0	0	Clear			L.C.S.	20
21	72.0	29.364	.141	29.223	30.14	68.0	58.4	52	57	.387	75.1	49.5	S	4			0	0	0	0	Clear	DNA– 9:00A		L.C.S.	21
22	74.0	29.312	.146	29.166	30.10	66.0	54.5	45	47	.298	74.0	48.0	SE	9			0	8	stcu	SE	Cloudy			L.C.S.	22
23	75.5	29.216	.150	29.066	29.99	68.5	59.1	53	57	.402	75.5	57.0	S	10			0	3 6	ast stcu	W S	Cloudy			L.C.S.	23
24	76.0	29.181	.151	29.030	29.95	64.8	59.0	55	71	.432	70.4	61.0	SW	6			T	4	acu	W	Pt Cloudy			E.L.H.	24
25	69.0	29.450	.134	29.316	30.26	50.3	45.2	40	68	.247	59.2	50.0	W	7			0	0	0	0	Clear			E.L.H.	25
26	73.5	29.390	.146	29.244	30.17	57.0	47.0	36	46	.211	60.3	40.1	SE	6			0	10	stcu	SE	Cloudy			L.C.S.	26
27	74.0	28.966	.145	28.821	29.73	56.0	52.9	51	81	.373	72.0	55.0	SW	9			0.12	10	stcu	SW	Cloudy			L.C.S.	27
28	73.0	28.844	.141	28.703	29.62	52.4	42.7	31	43	.172	60.4	44.1	SW	8			0	4	acu	W	Pt Cloudy			L.C.S.	28
29	75.0	28.872	.147	28.725	29.64	45.2	40.1	34	64	.195	52.4	44.9	SW	6			0	10	stcu	SW	Cloudy			L.C.S.	29
30	76.0	28.994	.150	28.844	29.77	43.0	41.7	40	90	.247	46.0	38.2	SW	7			T	10	stcu	SW	Cloudy			R.E.L.	30
31	78.0	29.180	.156	29.024	29.96	44.2	42.4	41	87	.256	49.5	43.2	NW	7			.09	10	stcu	NW	~~Light Rain~~	7:15A– 7:30A		L.C.S.	31
Sums	(a)	(a)	(a)	903.118	931.87	1831.2	1634.4	1474	2077	10.746	(a)	(a)	(a)	220	(a)	(a)	0.65	141	(a)	(a)	(a)	7	1	(a)	(a)
Means	(a)	(a)	(a)	29.133	30.060	59.1	52.7	47.5	67.0	.347	(a)	(a)	(c)	7.1	(a)	(a)	(a)	4.5	U Acu L Stcu	U W L SW	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of OCT 1931, 193

Date.	Temperature. Maximum. (b)	Minimum (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡†	Beginning.	Ending.	Character ‡	Beginning.	Ending.	Character. ‡†	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b)††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	61																In.		-7.32		In.	In.	In.	In.	
Thursday 1	76	57	19	5	66																T	.10	-.10	-.10	0	0	0	0	1
2	79	58	21	2	68																0	.09	-.09	-.19	0	0	0	0	2
3	81	58	23	2	70																0	.08	-.08	-.27	0	0	0	0	3
4	82	59	23	0	70																.01	.07	-.06	-.33	0	0	0	0	4 R
5	84	66	18	5	75																.02	.08	-.06	-.39	0	0	0	0	5 R R R
6	78	64	14	4	71																0.27	.08	+.19	-.20	0	0	0	0	6 R
7	78	64	14	0	71																0.23	.08	+.15	-.05	0	0	0	0	7 R R
8	65	50	15	13	58																0.54	.08	+.46	+.41	0	0	0	0	8 R
9	62	46	16	4	54																0	.09	-.09	+.32	0	0	0	0	9
10	66	46	20	2	56																T	.08	-.08	+.24	0	0	0	0	10
11	65	45	20	1	55																0.48	.08	+.40	+.64	0	0	0	0	11
12	56	41	15	7	48																0	.08	-.08	+.56	0	0	0	0	12
13	58	46	12	4	52																0.37	.07	+.30	+.86	0	0	0	0	13
14	69	54	15	10	62																0.15	.07	+.08	+.94	0	0	0	0	14
15	60	48	12	8	54																T	.07	-.07	+.87	0	0	0	0	15
16	60	43	17	2	52																T	.09	-.09	+.78	0	0	0	0	16
17	54	38	16	6	46																0	.09	-.09	+.69	0	0	0	0	17
18	57	34	23	0	46																0	.09	-.09	+.60	0	0	0	0	18
19	62	39	23	4	50																0	.09	-.09	+.51	0	0	0	0	19
20	73	46	27	10	60																0	.09	-.09	+.42	0	0	0	0	20
21	75	50	25	2	62																0	.07	-.07	+.35	0	0	0	0	21
22	74	48	26	1	61																0	.07	-.07	+.28	0	0	0	0	22
23	76	56	20	5	66																0	.07	-.07	+.21	0	0	0	0	23
24	70	58	12	2	64																0.11	.08	+.03	+.24	0	0	0	0	24
25	59	42	17	14	50																0	.09	-.09	+.15	0	0	0	0	25
26	60	39	21	0	50																T	.09	-.09	+.06	0	0	0	0	26
27	72	49	23	10	60																0.12	.10	+.02	+.08	0	0	0	0	27
28	60	44	16	8	52																0	.10	-.10	-.02	0	0	0	0	28
29	52	39	13	6	46																T	.10	-.10	-.12	0	0	0	0	29
30	46	38	8	4	42																.09	.09	.00	-.12	0	0	0	0	30
31	50	41	9	4	46																.03	.09	-.06	-.18	0	0	0	0	31
S	2059	1506	553	145	1783		Total excess or deficiency since Jan. 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	2.42	2.60	Total excess or deficiency since Jan. 1,	0	0	(a)	(a)	(a)
M	66.4	48.6	17.8	4.7	(a)	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	-8.03	(a)	(a)	(a)	(a)	(a)	

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, Sd—dry snow, Sm—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths

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SUMMARY FOR THE MONTH OF OCT 1931, 193

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.006)

STATION. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.159	29.133	29.146	29.633	12	28.630	29	1.003	30.089	30.060	30.074	30.58	12	29.54	29	1.04
Corrected mean		29.140						Corrected mean		30.068					

TEMPERATURE.

Mean. Dry. 8 a. m.	8 p. m.	(8+8)÷2 (g)	Wet. 8 a. m.	8 p. m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
51.4	59.1	55.2	48.6	52.7	50.6	66.4	48.6	57.5	84	5	34	18	50	27	20	8	30

Dew-point. 8 a. m.	8 p. m.	Monthly. (g)	Relative humidity. 8 a. m.	8 p. m.	Monthly. (g)	Vapor pressure. 8 a. m.	8 p. m.	Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
45.9	47.5	46.7	82.6	67.0	74.8	.329	.347	.338	0	0	0	0

Clouds.

Most frequent clouds: Strato-Cumulus

Most frequent direction upper clouds: West

Most frequent direction lower clouds: Southwest

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
5851	7.9	S.W.	28	NW	16	2	4	2	8	14	20	8	4	0

WEATHER.

Mean Cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of Days. Clear.	Partly cloudy.	Cloudy.	Number of Days with Precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
4.8	4.5	5.5	52	13	4	14	1	1	10

MISCELLANEOUS PHENOMENA.

Dates of—(Midnight to Midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (33 miles or over.)	Solar Halos.	Lunar Halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
17	—	18	4,5,6,7,8	0	0	24,25	6,10,13 14,15,21 31	14	0	0	0	22	0	0

PRECIPITATION (in inches and hundredths). (m)

Total amount	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
2.42	0.76	7-8	—	—	—	—	—	—	6	12	9	4	0	18	0	0	0	0

(w) Maximum precipitation in 5 minutes 0.16, date 8; 10 minutes 0.25, date 8; 15 minutes 0.34, date 8

30 minutes 0.43, date 8; 1 hour 0.49, date 8; 2 hours 0.49, date 8

EXCESSIVE.

Date.	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amt. before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
~~8~~	~~11:15 A~~	~~1:20 A~~	~~0.49~~																	
					None															

* The duration is the time precipitation was actually recorded.

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Prepared by R. E. Leamon

E. L. Hardy, Meteorologist, Weather Bureau.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of OCT 1931, 193

Number of Station barometer, 656; sum of corrections, -.026 inch.

Date.	Time. 75th mer.	Time. Local (standard).	Barometer. Attached thermometer	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity.†	Wind. Max. since last observation.	Wind. Direction.	Precipitation.††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
29	2:00 PM	1:00 PM	71.0	28.790	-.136	28.654	29.57	49.5	41.0	30	46	.164	52.4	SW	10	—	—	0	10	stcu	SW	Cloudy		R.E.L.	29
								Extremes of Pressure																	
29	12:30 PM	11:30 AM				28.630	29.54	52.0															Lowest	L.R.S.	29

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If additional space is required, rule a sheet similar to this, and paste to this margin.

†By dial when self-register is out of order.

††T indicates trace of precipitation.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of OCT 1931, 193

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1											77	14	35	8	8	2			120	24
2									60	12	91	11	11	1					162	24
3									166	22	21	2							187	24
4									117	15	114	9							231	24
5									47	7	89	13	20	4					156	24
6							23	4	63	9	61	9	18	2					165	24
7							15	2	67	7	89	8	25	3	30	4			226	24
8	166	16	37	6											14	2			217	24
9			53	12	11	2	48	9	4	1									116	24
10					7	1	80	13	98	10									185	24
11	106	10							28	3	50	5			75	6			259	24
12			86	10	140	14													226	24
13					81	12	33	6	12	3	11	3							137	24
14							3	1	7	4	65	10	60	8	4	1			139	24
15											61	14	65	10					126	24
16											51	8	71	5	166	11			288	24
17													35	4	231	20			266	24
18									28	5	49	9	33	7	12	3			122	24
19									133	19	45	5							178	24
20									40	5	150	18	9	1					199	24
21							7	3	44	10	19	11							70	24
22					8	3	63	10	59	11									130	24
23							14	2	206	22									220	24
24									69	7	149	14	17	2	11	1			246	24
25											15	3	178	16	54	5			247	24
26	4	1			24	3	108	13			10	3	8	4					154	24
27							60	6	131	9	95	9							286	24
28									65	8	176	16							241	24
29									48	6	151	18							199	24
30									5	1	177	23							182	24
31											80	12	28	4	63	8			171	24
SUM,	276	27	176	28	271	35	454	69	1497	196	1896	247	613	79	668	63	0	0	5851	744
PERCENTAGE,	5	4	3	4	5	5	8	9	26	26	32	33	10	11	11	8	0	0	a	a
AVG. HOURLY VELOCITY,	10.2	a	6.3	a	7.7	a	6.6	a	7.6	a	7.7	a	7.8	a	10.6	a	0	a	7.9	a

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of NOV 1931, 193

Number of Station barometer, 656; sum of corrections, -.026 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-Reg. Ther's. Max. (b)	Self-Reg. Ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	69.0	29.320	-.133	29.187	30.13	40.0	39.5	39	96	.237	44.3	39.0	W	6			T	5	a st	W				1
2	65.0	29.448	.123	29.325	30.28	39.8	38.0	36	86	.211	43.2	37.8	SW	5			0	2	st cu	W	Partly Cloudy		L.C.S.	2
3	70.0	29.248	-.135	29.113	30.05	44.3	40.3	35	71	.203	45.3	42.2	SW	13			0	10	st cu	SW	Cloudy		L.C.S.	3
4	68.5	29.390	-.132	29.258	30.20	35.0	33.5	31	86	.172	51.6	34.5	SW	4			0	2	ci cu	W				4
5	71.0	29.324	-.138	29.186	30.13	34.5	32.0	28	77	.150	44.6	34.0	SW	8			0	1	ci	W	Clear		L.C.S.	5
6	71.0	29.600	-.139	29.461	30.42	33.1	32.0	31	89	.172	41.2	33.1	NW	3			T	0		0				6
7	71.5	29.468	-.140	29.328	30.28	38.3	34.3	28	67	.150	41.4	37.0	S	12			0	4	a cu	NW	Part Cloudy		R.E.L.	7
8	73.0	29.356	-.143	29.213	30.14	42.3	38.8	34	73	.195	46.3	42.0	S	8			0	10	st cu	NW	Cloudy		L.C.S.	8
9	71.0	29.340	-.138	29.202	30.13	52.8	49.0	45	76	.298	58.4	52.8	S	9			0	2	ci st	NW	Clear		R.E.L.	9
10	72.0	29.288	-.141	29.147	30.08	53.8	45.8	38	54	.228	61.0	53.8	SW	13			0	4	cu	S	Part Cloudy		L.C.S.	10
11	72.5	29.410	-.143	29.267	30.21	48.3	47.8	47	96	.322	51.2	48.1	E	6			T	4	a cu	W				11
12	73.0	29.118	-.142	28.976	29.90	59.0	57.0	56	89	.448	63.5	58.0	SW	18			0.65	10	st cu	SW	Cloudy		L.C.S.	12
13	69.5	29.310	-.134	29.176	30.11	43.5	42.5	42	92	.266	62.7	43.5	W	5			0.04	10	st cu	E	Cloudy		L.C.S.	13
14	69.0	29.342	-.133	29.209	30.14	46.5	45.0	44	89	.287	50.8	45.3	E	8			0.03	2	cu	W	Clear		L.C.S.	14
15	74.0	29.158	-.146	29.012	29.93	58.0	57.0	56	94	.448	64.2	57.5	S	8			0.06	10	st cu	E	Lt. Rain		L.C.S.	15
16	70.0	29.326	-.136	29.190	30.11	57.3	56.8	56	97	.448	61.2	53.9	SW	8			T	10	st cu	SW	Cloudy		C.L.H.	16
17	70.5	29.136	-.137	28.999	29.92	59.7	55.2	52	76	.387	63.7	59.0	SE	14			0	10	nb D fog	SW	Light Rain		L.C.S.	17
18	70.0	29.240	.135	29.105	30.04	47.0	45.1	43	87	.277	63.4	46.5	N	10			.98	10	st	SW	Cloudy		R.E.L.	18
19	70.5	29.444	.138	29.306	30.25	47.9	46.8	46	92	.310	48.0	47.3	E	6			0	10	st	NE	Cloudy		R.E.L.	19
20	74.5	29.154	.147	29.007	29.93	65.5	61.4	59	80	.499	65.5	53.0	SE	20			.28	10	stratus	SE	Cloudy		R.E.L.	20
21	74.0	29.350	-.146	29.204	30.13	51.2	49.2	47	87	.322	64.0	51.2	S	8			T	2	st cu	SW	Clear		C.L.H.	21
22	73.5	29.552	.146	29.406	30.35	48.0	47.2	46	94	.310	56.5	47.4	E	6			0	2	a cu	S				22
23	71.5	29.426	.140	29.286	30.22	58.0	55.9	55	88	.432	64.5	57.8	S	8			0	6	st cu	W	Cloudy		L.C.S.	23
24	72.0	29.090	.140	28.950	29.86	63.1	58.0	55	74	.432	63.9	60.2	S	18			0	6	a st	W	Part Cloudy		R.E.L.	24
25	70.5	29.364	.137	29.227	30.17	28.8	26.2	21	71	.108	38.8	28.4	W	11			0	9	st cu	SW	Cloudy		R.E.L.	25
26	72.0	29.765	.143	29.622	30.59	23.5	23.0	22	94	.113	27.6	23.5	SW	2			0	10	st cu	W	Cloudy		L.C.S.	26
27	63.5	29.620	.119	29.501	30.46	30.0	29.8	30	98	.164	33.8	29.2	N	5			0	4	ci st	W				27
28	73.0	29.511	.144	29.367	30.33	29.7	29.2	29	95	.157	32.0	29.7	SW	6			0.23	2	st	NW	Part Cloudy		R.E.L.	28
29	71.5	29.310	.139	29.171	30.12	32.0	31.2	30	92	.164	32.0	31.0	SW	4			0	10	st cu	SW	Light Snow		L.C.S.	29
30	65.0	29.004	.121	28.883	29.83	36.5	35.0	32	87	.180	36.5	34.0	SW	14			0	1	ci cu	W	Cloudy		R.E.L.	30
31																	T	10	st cu	W	Cloudy		C.L.H.	31
Sums		(a)	(a)	876.284	904.44	1347.4	1282.5	1213	2547	8.090	(a)	(a)	(a)	266	(a)	(a)	2.27	222	(a)	(a)	(a)		(a)	(a)
Means		(a)	(a)	29.209	30.148	44.9	42.8	40.4	84.9	.270	(a)	(a)	(c) SW	8.9	(a)	(a)	(a)	7.4	U a cu ci st L st cu	U W L SW	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121. "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of NOV 1931, 193

Number of Station barometer, 6.56; sum of corrections, -.026 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-Reg. Ther's. Max. (b)	Self-Reg. Ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	70.0	29.396	-.136	29.260	30.21	43.2	40.2	36	78	.211	50.4	40.0	NW	6			T	0	0	0	Clear			L.C.S.	1
2	70.5	29.419	-.138	29.281	30.23	45.1	40.1	34	65	.195	50.0	39.8	S	8			0	0	0	0	Clear			R.E.L	2
3	74.5	29.284	-.147	29.137	30.07	51.6	45.8	40	64	.247	61.3	44.3	W	6			0	0	0	0	Clear			R.E.L	3
4	79.0	29.430	-.160	29.270	30.22	44.6	38.0	29	54	.157	52.1	35.0	W	5			0	0	0	0	Clear			R.E.L	4
5	77.0	29.456	-.155	29.301	30.25	41.2	36.7	30	65	.164	49.6	34.5	W	10			0	7	St Cu	NW	Part Cloudy			R.E.L	5
6	81.0	29.570	-.166	29.404	30.36	41.4	35.9	28	58	.150	46.3	33.1	SW	3			0	0	0	0	Clear			L.C.S.	6
7	76.0	29.358	-.151	29.207	30.15	46.3	40.3	33	59	.187	51.0	38.3	SE	7			T	0	0	0	Clear			R.E.L	7
8	74.0	29.325	-.146	29.179	30.11	58.4	52.9	48	69	.334	68.2	42.3	S	9			0	0	0	0	Clear			R.E.L	8
9	75.0	29.272	-.149	29.123	30.05	61.0	52.4	45	56	.298	71.0	52.8	S	14			0	2	Ci St	W	Clear			R.E.L	9
10	78.0	29.460	-.158	29.302	30.24	51.2	48.7	46	84	.310	58.8	50.6	N	6			.02	10	St	N	Cloudy	7:10A-7:40A 1:00P-5:30P	7:40A-1:00P	R.E.L	10
11	77.0	29.270	-.154	29.116	30.05	59.1	58.0	57	94	.465	59.2	48.3	SE	8			.01	10	St	SE	Cloudy			E.L.H.	11
12	73.0	29.070	-.142	28.928	29.85	62.7	60.1	58	86	.482	65.3	59.0	SW	15			.01	10	St Cu	SW	Lt Rain			R.E.L	12
13	75.5	29.396	-.151	29.245	30.18	50.8	45.8	41	69	.256	55.0	43.5	W	1			0	Few 2	Ci a Cu	W S	Clear			R.E.L	13
14	78.0	29.228	-.157	29.071	30.00	64.0	60.2	58	80	.482	64.0	46.5	SE	8			.07	6	St Cu	SE	Cloudy	7:20A-4:00P		E.L.H.	14
15	74.0	29.210	-.146	29.064	29.98	61.2	55.0	51	67	.373	68.6	58.0	SW	6			0	0	0	0	Clear			E.L.H.	15
16	73.0	29.300	-.143	29.157	30.08	63.7	61.0	59	86	.499	68.0	57.3	SE	10			T	0	0	0	Clear	8:00A 11:00A	DNA-8:00A	R.E.L	16
17	74.0	28.874	-.144	28.730	29.64	63.4	62.0	61	93	.536	70.8	59.7	S	8			.16	10 10	Lt Fog St Cu	? S	Lt Rain	8:15A-9:30A 4:30P-DNP		L.C.S.	17
18	77.5	29.396	-.156	29.240	30.17	48.0	46.1	44	88	.287	48.3	46.5	E	4			0	10	St Cu	E	Cloudy			L.C.S.	18
19	78.0	29.318	.157	29.161	30.09	55.0	52.4	51	84	.373	59.8	47.9	NE	9			T	10	St Cu	NE	Light Rain			L.C.S.	19
20	77.5	29.036	.154	28.882	29.79	62.0	56.5	53	72	.402	69.3	59.0	SE	18			.02	8	St Cu	SE	Cloudy			L.C.S.	20
21	77.0	29.518	.155	29.363	30.30	56.5	50.0	44	64	.287	62.2	50.5	SW	2			0	2	Ci St	W	Clear			L.C.S.	21
22	73.0	29.460	.144	29.316	30.26	64.5	60.5	58	80	.482	69.8	48.0	SE	8			0	4	a Cu	S	Part Cloudy			L.C.S.	22
23	73.0	29.276	.143	29.133	30.05	63.9	59.5	57	77	.465	71.2	58.0	SE	10			0	1	a Cu	S	Clear			L.C.S.	23
24	77.5	29.168	.155	29.013	29.94	38.8	35.0	30	69	.164	63.1	38.8	SW	14			.08	4 3	a Cu Ci St	W W	Part Cloudy			L.C.S.	24
25	77.5	29.612	.157	29.455	30.42	27.6	25.0	20	70	.103	31.0	27.6	W	6			0	0	0	0	Clear			R.E.L	25
26	69.0	29.714	.135	29.579	30.55	33.8	30.3	25	67	.130	34.1	23.5	SE	4			0	10	a St	E	Cloudy			E.L.H.	26
27	77.5	29.620	.157	29.463	30.42	31.5	30.5	30	90	.164	35.0	30.0	E	8			T	0	0	0	Clear			R.E.L	27
28	80.0	29.410	.163	29.247	30.20	31.2	29.7	27	84	.143	33.0	29.7	SW	8			0	10	St	SW	Cloudy			E.L.H.	28
29	73.0	29.164	.143	29.021	29.97	34.9	33.2	30	84	.164	34.9	32.0	SW	3			0	10	St	SW	Cloudy			E.L.H.	29
30	78.0	29.204	.156	29.048	29.99	39.9	35.7	30	66	.164	40.3	36.5	SW	12			T	10	St Cu	SW	Cloudy			L.C.S.	30
31																									31
Sums		(a)	(a)	875.696	903.82	1496.5	1377.5	1253	2222	8.674	(a)	(a)	(a)	236	(a)	(a)	0.37	139	(a)	(a)	(a)	4	2	(a)	(a)
Means		(a)	(a)	29.190	30.127	49.9	45.9	41.8	74.1	.289	(a)	(a)	(c) SE SW	7.9	(a)	(a)	(a)	4.6	U a Cu L St Cu	U W L SW	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of NOV 1931, 193

Date.	Temperature: Maximum. (b)	Minimum (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation: Character. ‡	Beginning.	Ending.	Character ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b)††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p. m. to 7 p. m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p. m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
1	50	39	11	2	44																T	.08	-.08	-.08	0	0	0	0	1
2	50	38	12	0	44																0	.08	-.08	-.16	0	0	0	0	2
3	61	43	18	8	52																0	.09	-.09	-.25	0	0	0	0	3
4	52	34	18	9	43																0	.09	-.09	-.34	0	0	0	0	4
5	50	34	16	1	42																T	.10	-.10	-.44	0	0	0	T	5
6	46	33	13	2	40																0	.10	-.10	-.54	0	T	0	0	6
7	51	37	14	4	44																T	.10	-.10	-.64	0	0	0	0	7
8	68	42	26	11	55																0	.10	-.10	-.74	0	0	0	0	8
9	71	53	18	7	62																0	.10	-.10	-.84	0	0	0	0	9
10	59	50	9	8	54																.02	.10	-.08	-.92	0	0	0	0	10
11	62	48	14	1	55																.54	.10	+.44	-.48	0	0	0	0	11
12	65	52	13	3	58																.17	.09	+.08	-.40	0	0	0	0	12
13	55	44	11	8	50																0	.10	-.10	-.50	0	0	0	0	13
14	64	45	19	4	54																.10	.09	+.01	-.49	0	0	0	0	14
15	69	55	14	8	62																.06	.10	-.04	-.53	0	0	0	0	15
16	68	54	14	1	61																T	.10	-.10	-.63	0	0	0	0	16
17	71	59	12	4	65																.99	.11	+.88	+.25	0	0	0	0	17
18	61	46	15	11	54																.15	.10	+.05	+.30	0	0	0	0	18
19	60	47	13	0	54																.26	.10	+.16	+.46	0	0	0	0	19
20	69	58	11	10	64																.04	.10	-.06	+.40	0	0	0	0	20
21	62	50	12	8	56																0	.09	-.09	+.31	0	0	0	0	21
22	70	47	23	2	58																0	.09	-.09	+.22	0	0	0	0	22
23	71	58	13	6	64																0	.09	-.09	+.13	0	0	0	0	23
24	63	32	31	16	48																.08	.09	-.01	+.12	0	0	0	0	24
25	32	26	6	19	29																0	.09	-.09	+.03	0	0	0	0	25
26	34	24	10	0	29																0	.09	-.09	-.06	0	0	0	0	26
27	35	29	6	3	32																.23	.10	+.13	+.07	0	2.3	1.0	.23	27
28	33	30	3	0	32																0	.11	-.11	-.04	0	0	1.0	0	28
29	35	31	4	1	33																0	.10	-.10	-.14	0	0	T	0	29
30	40	34	6	4	37																T	.10	-.10	-.24	0	0	0	0	30
31																													31
S	1677	1272	405	161	1475		Total excess or deficiency since Jan. 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	2.64	2.88	Total excess or deficiency since Jan. 1,		0	2.3	(a)	(a)	(a)
M	55.9	42.4	13.5	5.4	(a)	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	-8.27		(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, Sd—dry snow, Sm—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths

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SUMMARY FOR THE MONTH OF NOV 1931, 193

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.007)

STATION.								REDUCED.							
Mean.			Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	Mean.			Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
8 a. m.	8 p. m.	Monthly. (g)						8 a. m.	8 p. m.	Monthly. (g)					
29.209	29.190	29.200	29.670 ×	26	28.720 ×	17	0.950	30.148	30.127	30.138	30.64 ×	26	29.62 ×	17	1.02
Corrected mean		29.193						Corrected mean		30.131	× from Barograph Traces				

TEMPERATURE.

Mean. Dry. 8 a. m.	Dry. 8 p. m.	Dry. (8+8)÷2 (g)	Wet. 8 a. m.	Wet. 8 p. m.	Wet. Monthly. (g)	Max.	Min.	Monthly. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
44.9	49.9	47.4	42.8	45.9	44.4	55.9	42.4	49.2	71	23	24	26	47	31	24	3	28

Dew-point. 8 a. m.	Dew-point. 8 p. m.	Dew-point. Monthly. (g)	Relative Humidity. 8 a. m.	Relative Humidity. 8 p. m.	Relative Humidity. Monthly. (g)	Vapor Pressure. 8 a. m.	Vapor Pressure. 8 p. m.	Vapor Pressure. Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	Maximum. 90° or above.	Minimum. 32° or below.	Minimum. Zero or below.
40.4	41.8	41.1	84.9	74.1	79.5	.270	.289	.280	1	0	6	0

Clouds.

Most frequent clouds: Strato-Cumulus

Most frequent direction upper clouds: West

Most frequent direction lower clouds: Southwest

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
6670	9.3	S	32	SE	20	3	1	6	10	11	19	8	2	0

WEATHER.

Mean Cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of Days. Clear.	Partly cloudy.	Cloudy.	Number of Days with Precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
7.4	4.6	7.2	26	7	7	16	0	2	9

MISCELLANEOUS PHENOMENA.

Dates of—(Midnight to Midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (33 miles or over.)	Solar Halos.	Lunar Halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
—	—	—	—	—	—	15, 21	11, 14, 16, 17	11, 16	—	—	—	23	0	0

PRECIPITATION (in inches and hundredths). (m)

Total amount	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
2.64	1.14	17-18	—	—	—	—	—	—	5	11	10	3	0	16	2	1	2.3	0

(w) Maximum precipitation in 5 minutes 0.16, date 17; 10 minutes 0.22, date 17; 15 minutes 0.28, date 11

30 minutes 0.41, date 11; 1 hour 0.50, date 11; 2 hours 0.66, date 17

EXCESSIVE.

Date.	Total Duration. From—	To—	Total amount of precipitation.	Excessive Rate. Began—	Ended—	Amt. before excessive began.	Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
	None											None								

* The duration is the time precipitation was actually recorded.

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Prepared by Lloyd C. Skinner, Erle L. Hardy, Meteorologist, Weather Bureau.

(9)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of NOV 1931, 193

Number of Station barometer, 656; sum of corrections, -.026 inch.

Date.	Time. 75th mer.	Time. Local (standard).	Barometer. Attached thermometer	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity.†	Wind. Max. since last observation.	Wind. Direction.	Precipitation.††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
									Extremes of Pressure																
26	10 00 AM	9 00 AM				29.670	30.64	30.0															Highest	L.C.S.	26
17	12 00 P.M.	11:00 PM				28.720	29.62	61.0															Lowest	L.C.S.	17

8—154 If additional space is required, rule a sheet similar to this, and paste to this margin. †By dial when self-register is out of order. ††T indicates trace of precipitation.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of NOV 1931, 193

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1													77	11	110	13			187	24
2									60	7	79	13	32	4					171	24
3									59	5	133	9	90	10					282	24
4											52	8	152	15	17	1			221	24
5											60	8	144	8	92	8			296	24
6									26	5	23	5	43	7	34	7			126	24
7							33	5	185	19									218	24
8									229	24									229	24
9									229	19	65	5							294	24
10	28	4	10	2	10	2			39	3	115	10	9	1	15	2			226	24
11					83	13	43	7	32	4									158	24
12									29	2	265	17	54	5					348	24
13					4	1	9	2			4	2	96	18	4	1			117	24
14			4	1	107	17	8	1	44	5									163	24
15									94	10	172	14							266	24
16							78	9	60	8	57	7							195	24
17							90	8	214	14	23	2							327	24
18	28	3	6	1	77	12	5	1			13	1	26	2	43	4			198	24
19			16	2	177	21	11	1											204	24
20							302	15	155	9									457	24
21									97	12	84	12							181	24
22					45	9	51	8	57	7									153	24
23							47	4	203	20									250	24
24									170	11	121	7	95	6					386	24
25											12	3	230	19	20	2			262	24
26					42	7	23	5	4	1	29	11							98	24
27	12	2	76	14	16	3	14	4	2	1									120	24
28									10	4	106	19	5	1					121	24
29									30	6	102	18							132	24
30											239	20	45	4					284	24
31																				
SUM,	68	9	112	20	561	85	714	70	2028	196	1754	191	1098	111	335	38			6670	720
PERCENTAGE,	1	1	2	3	8	12	11	10	30	27	26	27	17	15	5	5			a	a
AVG. HOURLY VELOCITY,	7.6	a	5.6	a	6.6	a	10.2	a	10.3	a	9.2	a	9.9	a	8.8	a		a	9.3	a

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of Dec 1931, 193

Number of Station barometer, 656; sum of corrections, -.026 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-Reg. Ther's. Max. (b)	Self-Reg. Ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	70.0	29.404	.136	29.268	30.22	30.7	28.2	24	74	.124	39.9	30.7	W	9			0	9	St cu	W	Cloudy		L.C.S.	1
2	67.5	29.786	.131	29.655	30.63	23.8	22.0	18	77	.093	30.7	23.8	SW	5			0	0	0	0	Clear		L.C.S.	2
3	69.0	29.552	.134	29.418	30.38	28.2	25.9	22	74	.113	34.7	27.9	SW	5			0	1	St cu	SW	Clear		L.C.S.	3
4	72.0	29.034	.140	28.894	29.83	39.0	39.0	39	100	.237	42.8	39.0	SW	5			0.54	10 10	D fog nb	SW SW	Light Rain		L.C.S.	4
5	69.0	29.550	.134	29.416	30.38	31.8	30.7	29	89	.157	36.0	31.8	NE	8			T	10	St	NE	Clouds		E.L.H.	5
6	71.0	29.294	.138	29.156	30.10	33.0	32.3	32	93	.180	36.2	32.0	SW	11			T	10	St cu	SW	Light Rain		L.C.S.	6
7	63.0	29.431	.118	29.313	30.27	31.0	29.8	28	87	.150	34.0	31.0	W	14			0	9	St cu	W	Cloudy		L.C.S.	7
8	66.0	29.712	.126	29.586	30.57	20.0	18.0	13	70	.074	22.8	19.4	E	9			0	5 2	a st st cu	E E	Pt Cloudy		L.C.S.	8
9	67.0	29.046	.127	28.919	29.87	34.2	34.0	34	98	.195	34.2	28.8	SE	4			0.30	10 10	D fog nb	SE SE	Light Rain		L.C.S.	9
10	72.0	29.240	.141	29.099	30.05	35.7	35.2	35	95	.203	35.9	34.3	S	5			T	10 10	H fog St cu	S S	Light Rain		L.C.S.	10
11	72.0	28.840	.139	28.701	29.62	48.0	47.5	47	96	.322	48.0	43.6	S	18			0.43	10	St cu	SW	Light Rain		L.C.S.	11
12	73.0	29.210	.143	29.067	30.01	34.2	33.2	32	90	.180	54.9	34.2	SW	6			0	0	0	0	Clear		E.L.H.	12
13	71.0 ~~74.0~~	28.988	.137	28.851	29.78	39.0	38.5	38	96	.228	42.2	37.7	E	5			.04	10	St	E	Cloudy		R.E.L.	13
14	68.0	29.210	.130	29.080	30.02	34.8	34.3	34	95	.195	44.0	34.8	NW	14			0.24	10	St cu	NW	Light Snow		L.C.S.	14
15	68.5	29.600	.132	29.468	30.43	25.5	25.0	24	94	.124	31.3	25.5	SW	7			0	2	a cu	W	Clear		L.C.S.	15
16	69.5	29.450	.135	29.315	30.28	30.0	29.0	27	89	.143	33.7	29.9	SW	8			0	7 ew	Ci	?	Clear		R.E.L.	16
17	72.0	29.334	.141	29.193	30.13	30.7	29.0	26	82	.136	38.8	30.7	SW	10			0	1	a st	SW	Clear		R.E.L.	17
18	70.0	29.450	.136	29.314	30.26	32.0	30.0	27	79	.143	42.0	32.0	SW	4			0	4	Cist	NE	Pt Cloudy		R.E.L.	18
19	72.0	29.368	.141	29.227	30.16	44.1	44.0	44	99	.287	45.0	42.0	SW	6			T	10 10	D Fog nb	SW SW	Light Rain		R.E.L.	19
20	69.0	29.351	.133	29.218	30.15	42.2	40.7	39	88	.237	51.8	42.2	N	8			T	10	St cu	N	Cloudy		E.L.H.	20
21	65.5	29.255	.124	29.131	30.07	42.8	41.4	40	89	.247	42.8	41.1	SE	6			0	10	St cu	SE	Cloudy		E.L.H.	21
22	71.0	29.064	.137	28.927	29.86	46.8	46.3	46	96	.310	55.4	46.8	SW	8			0.21	7	St cu	W	Pt Cloudy		E.L.H.	22
23	70.5	29.084	.136	28.948	29.88	46.6	46.1	46	96	.310	49.5	43.9	SW	10			T	10	St cu	SW	Cloudy		E.L.H.	23
24	72.0	28.898	.140	28.758	29.67	57.3	56.8	56	97	.448	57.3	52.0	S	9			0	10	St	S	Cloudy		R.E.L.	24
25	66.0	29.444	.126	29.318	30.27	34.7	34.0	33	93	.187	40.5	34.7	NW	16			T	8	St cu	NW	Cloudy		L.C.S.	25
26	66.0	29.737	.110	29.627	30.60	24.0	22.8	20	85	.103	33.0	24.0	E	5			0	1	a st	NW	Clear		E.L.H.	26
27	69.0	29.410	.134	29.276	30.24	27.2	26.2	24	88	.124	31.5	26.0	E	5			0	4	a st	SE	Pt Cloudy		R.E.L.	27
28	63.5	29.135	.118	29.017	29.96	34.7	34.3	34	96	.195	42.0	34.7	W	5			T	10	D fog	W	Foggy		R.E.L.	28
29	65.5	29.260	.124	29.136	30.08	35.1	34.0	33	90	.187	40.1	35.1	NE	2			0	10	St cu	NE	Cloudy		R.E.L.	29
30	66.0	29.250	.125	29.125	30.08	35.0	34.0	33	91	.187	37.0	34.8	E	10			0	10	St cu	E	Cloudy		R.E.L.	30
31	64.0	29.110	.119	28.991	29.94	36.1	35.0	34	90	.195	36.1	33.6	NE	16			T	10	a st	SE	Cloudy		R.E.L.	31
Sums		(a)	(a)	904.412	933.79	1088.2	1057.2	1011	2776	6.014	(a)	(a)	(a)	253	(a)	(a)	1.76	213	(a)	(a)	(a)		(a)	(a)
Means		(a)	(a)	29.175	30.122	35.1	34.1	32.6	89.5	.194	(a)	(a)	(c) SW	8.2	(a)	(a)	(a)	6.9	U a st L St cu	U SE L SW	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121. "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of DEC 1931, 193

Number of Station barometer, 656; sum of corrections, −.026 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-Reg. Ther's. Max. (b)	Self-Reg. Ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	79.0	29.660	.161	29.499	30.46	30.7	27.2	21	63	.108	34.7	30.7	W	12			0	8	Stcu	NW	Cloudy			R.E.L.	1
2	77.0	29.717	.156	29.561	30.53	34.7	30.8	25	64	.130	40.0	23.8	SW	7			0	0	0	0	Clear			R.E.L.	2
3	79.0	29.368	.159	29.209	30.15	42.8	37.5	30	61	.164	47.5	28.2	SE	6			0	5	Cist	W	Pt Cloudy			R.E.L.	3
4	77.5	29.322	.155	29.167	30.11	36.0	35.5	35	95	.203	40.0	36.0	NW	13			.06	10	St	NW	Cloudy	B-8:20A E-11:00P	B DNA E 9:20A	R.E.L.	4
5	78.0	29.485	.158	29.327	30.29	32.5	30.8	28	83	.150	32.5	30.0	E	4			T	10	St	E	Cloudy			L.C.S.	5
6	66.0	29.376	.126	29.250	30.20	33.4	30.0	25	67	.130	35.3	31.7	SW	15			T	9	acu	W	Cloudy			L.C.S.	6
7	73.0	29.742	.145	29.597	30.57	22.8	20.3	14	66	.077	31.0	22.8	N	5			0	0	0	0	Clear			R.E.L.	7
8	75.5	29.462	.151	29.311	30.27	29.0	25.2	18	58	.093	29.5	20.0	E	10			0	10	St	E	Cloudy			R.E.L.	8
9	75.5	29.200	.150	29.050	30.00	35.9	35.0	34	92	.195	38.0	34.2	SW	10			.01	10	St	SW	Cloudy	9:00A-9:45A	B NA-E 8:00A	R.E.L.	9
10	79.0	29.198	.159	29.039	29.98	43.8	43.3	43	96	.277	43.8	35.7	SE	9			T	10	St	SE	Light Rain	DNA-6:30P		R.E.L.	10
11	77.0	28.980	.153	28.827	29.75	54.9	50.4	47	74	.322	62.6	48.0	SW	12			.03	5	Stcu	W	Pt Cloudy			R.E.L.	11
12	77.5	29.226	.155	29.071	30.01	42.2	38.7	34	73	.195	49.1	34.1	NE	5			0	0	0	0	Clear			R.E.L.	12
13	74.0	29.092	.145	28.947	29.89	44.6	43.1	42	94	.266	46.1	39.0	NW	5			T	10	St	NW	Cloudy	B7:05A-E-11:40A		R.E.L.	13
14	75.0	29.550	.150	29.400	30.36	31.3	29.3	26	79	.136	38.0	31.3	SW	9			T	0	0	0	Clear			R.E.L.	14
15	77.0	29.538	.155	29.383	30.34	33.7	31.6	28	80	.150	38.9	25.5	SW	8			0	0	0	0	Clear			R.E.L.	15
16	77.0	29.452	.155	29.297	30.25	38.8	35.3	31	72	.172	44.3	30.0	SW	5			0	0	0	0	Clear			L.C.S.	16
17	74.5	29.408	.148	29.260	30.21	42.0	38.1	33	71	.187	49.2	30.7	SW	6			0	2	acu	W	Clear			L.C.S.	17
18	71.0	29.368	.138	29.230	30.17	45.0	41.6	37	76	.219	50.5	31.8	SW	8			0	0	0	0	Clear	B:10:00P Cutd		L.C.S.	18
19	71.0	29.202	.138	29.064	29.99	51.8	51.8	52	100	.387	51.8	44.1	SW	11			.01	10 / 10	St fog / nb	SW / SW	Light Rain	Cutd E DNA B 9:40A E 11:00P	B DNA. E 9:40A	E.L.H.	19
20	78.0	29.411	.131	29.280	30.23	41.4	39.4	37	84	.219	43.4	41.3	SE	8			0	10	Stcu	E	Cloudy			E.L.H.	20
21	75.0	29.148	.149	28.999	29.94	50.3	50.3	50	100	.360	51.2	42.8	E	4			0.52	10 / 10	St fog / nb	E / E	Light Rain	B-8:15A E-2:00P	2:00P Cutd Cutd-E DNA	L.C.S.	21
22	73.0	29.116	.142	28.974	29.90	49.5	48.0	46	90	.310	52.3	46.0	SW	8			T	8	acu	W	Cloudy			L.C.S.	22
23	75.0	29.106	.148	28.958	29.89	52.0	51.0	50	94	.360	52.0	46.6	SE	8			0	9	Stcu	SE	Cloudy			L.C.S.	23
24	74.0	29.074	.145	28.929	29.86	40.5	40.0	40	96	.247	58.0	40.5	W	20			T	10	Stcu	W	Light Snow			L.C.S.	24
25	65.0	29.650	.124	29.526	30.49	33.0	30.8	28	78	.150	35.2	33.0	NW	8			T	8	Stcu	NW	Cloudy			E.L.H.	25
26	72.0	29.672	.143	29.529	30.49	31.5	28.0	22	64	.113	36.0	23.5	E	10			0	1	Cist	SE	Clear			R.E.L.	26
27	65.0	29.173	.122	29.051	30.00	42.0	38.0	33	70	.187	44.4	27.2	SE	4			.01	10	St	SE	Cloudy			R.E.L.	27
28	73.5	29.230	.145	29.085	30.04	40.1	38.6	37	88	.219	42.5	33.7	NW	8			0	10	Stcu	NW	Cloudy		B-6:15A E-10:30A	L.C.S.	28
29	69.5	29.256	.134	29.122	30.07	37.0	36.4	36	94	.211	39.7	33.4	NE	6			0	10 / 10	St fog / Stcu	E / NE	Cloudy	B 7:15A B 10:30A B 12:30P E 1:00P B 4:00P E DNA	B 1:00P E-7:00P	L.C.S.	29
30	70.5	29.244	.137	29.107	30.06	34.5	33.5	32	90	.186	37.6	34.5	NE	14			.04	10	Stcu	NE	Light Sleet			L.C.S.	30
31	70.0	28.950	.135	28.815	29.76	37.0	36.8	37	98	.219	38.5	36.0	NE	14			0.22	10 / 10	St fog / Stcu	E / NE	Light Rain	B-3:40P E:8:10P		L.C.S.	31
Sums		(a)	(a)	904.864	934.26	1214.1	1146.3	1051	2510	6.336	(a)	(a)	(a)	272	(a)	(a)	0.90	205	(a)	(a)	(a)	9	7	(a)	(a)
Means		(a)	(a)	29.189	30.137	39.2	37.0	33.9	81.0	.204	(a)	(a)	(c) SW	8.8	(a)	(a)	(a)	6.6	U acu L Stcu	U W L E NW	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of DEC 1931, 193

Date.	Temperature. Maximum. (b)	Minimum (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b)††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
Tuesday 1	36	26	10	6	31																0	.09	-.09	-.09	0	0	0	0	1
2	40	24	16	1	32																0	.10	-.10	-.19	0	0	0	0	2
3	48	28	20	6	38																0.15 x	.09	+.06	-.13	0	0	0	0	3
4	40	34	6	1	37																0.45 x	.09	+.36	+.23	0	0	0	0	4
5	34	30	4	5	32																T	.09	-.09	+.14	0	T	0	T	5
6	36	32	4	2	34																T	.10	-.10	+.04	0	T	0	T	6
7	34	21	13	6	28																0	.09	-.09	-.05	0	0	0	0	7
8	30	19	11	4	24																.05 x	.09	-.04	-.09	0	0	0	0	8
9	38	30	8	10	34																0.26 x	.08	+.18	+.09	0	0	0	0	9
10	44	34	10	5	39																0.13 x	.08	+.05	+.14	0	0	0	0	10
11	63	44	19	15	54																0.33 x	.08	+.25	+.39	0	0	0	0	11
12	49	34	15	12	42																0	.08	-.08	+.31	0	0	0	0	12
13	46	38	8	0	42																.06 x	.08	-.02	+.29	0	0	0	0	13
14	40	30	10	7	35																0.22 x	.08	+.14	+.43	0	T	0	T	14
15	39	26	13	3	32																0	.08	-.08	+.35	0	0	0	0	15
16	44	30	14	5	37																0	.08	-.08	+.27	0	0	0	0	16
17	49	31	18	3	40																0	.08	-.08	+.19	0	0	0	0	17
18	50	32	18	1	41																0	.08	-.08	+.11	0	0	0	0	18
19	52	44	8	7	48																.01	.08	-.07	+.04	0	0	0	0	19
20	49	41	8	3	45																0	.08	-.08	-.04	0	0	0	0	20
21	54	42	12	3	48																0.65	.08	+.57	+.53	0	0	0	0	21
22	55	45	10	2	50																.08	.08	00	+.53	0	0	0	0	22
23	52	44	8	2	48																T	.08	-.08	+.45	0	0	0	0	23
24	58	38	20	0	48																T	.08	-.08	+.37	0	T	0	T	24
25	38	30	8	14	34																T	.08	-.08	+.29	0	T	0	T	25
26	36	24	12	4	30																0	.08	-.08	+.21	0	0	0	0	26
27	44	26	18	5	35																.01	.08	-.07	+.14	0	0	0	0	27
28	42	34	8	3	38																0	.08	-.08	+.06	0	0	0	0	28
29	40	33	7	2	36																0	.08	-.08	-.02	0	0	0	0	29
30	38	34	4	6	36																.04	.08	-.04	-.06	T	0	0	0	30
31	38	34	4	0	36																0.44 x	.08	+.36	+.30	T	0	0	0	31
S	1356	1012	344	137	1184		Total excess or deficiency since Jan. 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	2.88	2.58	Total excess or deficiency since Jan. 1,		T	T	(a)	(a)	(a)
M	43.7	32.6	11.1	4.4	(a)	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	-7.97		(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, Sd—dry snow, Sm—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths

midnight to midnight estimated

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SUMMARY FOR THE MONTH OF DEC 1931, 193

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.006)

STATION.								REDUCED.							
Mean.			Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	Mean.			Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
8 a. m.	8 p. m.	Monthly. (g)						8 a. m.	8 p. m.	Monthly. (g)					
29.175	29.189	29.182	29.660	2	28.690	11	0.970	30.122	30.137	30.130	30.63	2	29.61	11	1.02
Corrected mean		29.176						Corrected mean		30.124	From barograph traces				

TEMPERATURE.

Mean. Dry. 8 a. m.	Dry. 8 p. m.	Dry. (8+8)÷2 (g)	Wet. 8 a. m.	Wet. 8 p. m.	Wet. Monthly. (g)	Max.	Min.	Monthly. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
35.1	39.2	37.2	34.1	37.0	35.6	43.7	32.6	38.2	63	11	19	8	44	20	24	4	30

Dew-point. 8 a. m.	Dew-point. 8 p. m.	Dew-point. Monthly. (g)	Relative humidity. 8 a. m.	Relative humidity. 8 p. m.	Relative humidity. Monthly. (g)	Vapor pressure. 8 a. m.	Vapor pressure. 8 p. m.	Vapor pressure. Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	Maximum. 90° or above.	Minimum. 32° or below.	Minimum. Zero or below.
32.6	33.9	33.2	89.5	81.0	85.2	.194	.204	.199	1	0	16	0

Clouds.

Most frequent clouds: Strato Cumulus

Most frequent direction upper clouds: West

Most frequent direction lower clouds: Southwest

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
6,585	8.9	SW	30	SW	24	2	7	9	7	3	23	5	6	0

WEATHER.

Mean Cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of Days. Clear.	Partly cloudy.	Cloudy.	Number of Days with Precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
6.9	6.6	7.5	29	7	3	21	1	1	12

MISCELLANEOUS PHENOMENA.

Dates of—(Midnight to Midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (33 miles or over.)	Solar Halos.	Lunar Halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
—	—	—	—	—	—	16, 22	19,21,29,31 4,9,10,13,18,19,21	22,28,29	—	—	—	—	—	—

PRECIPITATION (in inches and hundredths). (m)

Total amount	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
2.88	0.73	21-22	—	—	—	—	—	—	5	14	12	5	0	19	5	0	T	0

(w) Maximum precipitation in 5 minutes —, date —; 10 minutes —, date —; 15 minutes —, date —

30 minutes —, date —; 1 hour —, date —; 2 hours —, date —

Tipping bucket only partially in use

EXCESSIVE.

Date.	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amt. before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
		None										None								

* The duration is the time precipitation was actually recorded.

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Prepared by R E L

Erle L. Hardy, Meteorologist, Weather Bureau.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of DEC 1931, 193

Number of Station barometer, 656; sum of corrections, −.026 inch.

SPECIAL OBSERVATIONS.

Date.	Time. 75th mer.	Time. Local (standard).	Barometer. Attached thermometer	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity.†	Wind. Max. since last observation.	Wind. Direction.	Precipitation.††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
3	2 40 PM	1 40 PM	71.0	29.423	.139	29.284	30.23	47.0	39.0	28	19	47	47.0	S	8	–	–	0	6	Ci St	W	Part Cloudy		L.C.S	3
7	11 00 AM	10 00 AM	68.0	29.584	.131	29.453	30.41	27.4	24.9	20	7	70	31.0	NW	20	26	NW	0	4	a Cu	NW	Part Cloudy		L.C.S.	7
14	11 00 AM	10 00 AM	73.0	29.390	.144	29.246	30.19	36.5	35.0	32	4	87	36.5	NW	18	–	–	T	10	St Cu	NW	Cloudy		L.C.S.	
						Extremes of Pressure																			
2	10 45 AM	9 45 AM				29.660	30.63	32.0															Highest	L.C.S.	2
11	9 00 AM	8 00 AM				28.690	29.61	51.0															Lowest	L.C.S.	11

8—154 If additional space is required, rule a sheet similar to this, and paste to this margin. †By dial when self-register is out of order. ††T indicates trace of precipitation.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at ~~Fort Wayne, Ind.~~, for the Month of DEC 1931, 193

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1											30	4	205	20					235	24
2									30	5	107	19							137	24
3							30	6	66	11	43	7							139	24
4					9	3	4	1	2	1	39	5	54	6	80	8			188	24
5	15	2	39	5	95	12	23	3	8	1					8	1			188	24
6									39	4	136	10	161	10					336	24
7	33	5	19	4							25	2	87	6	130	7			294	24
8					177	20	40	4											217	24
9					33	6	4	1	14	2	136	15							187	24
10							58	5	115	14	31	5							204	24
11							61	5	48	4	183	11	37	4					329	24
12			36	6	12	3	4	1			46	10	19	4					117	24
13	27	5	40	7	49	5							17	4	18	3			151	24
14	16	2									70	8	63	5	107	9			256	24
15											199	24							199	24
16											185	22	13	2					198	24
17											196	24							196	24
18									7	1	179	23							186	24
19											174	20	42	4					216	24
20	12	2	13	2	64	7	66	7					13	1	60	5			228	24
21					22	7	77	16	6	1									105	24
22									51	6	145	16	21	2					217	24
23							26	5	82	11	63	8							171	24
24							30	4	34	4	165	9	97	5	35	2			361	24
25	46	7													233	17			279	24
26	15	3	8	2	92	13	33	6											148	24
27					49	8	95	13	21	3									165	24
28	27	4							10	3	13	3	49	8	50	6			149	24
29	10	4	50	10	71	10													131	24
30			11[illegible]	9	169	15													285	24
31			357	23	16	1													373	24
SUM,	201	34	678	68	858	110	551	77	533	71	2165	245	878	81	721	58	0	0	6,585	744
PERCENTAGE,	3	5	10	9	13	15	9	10	8	9	33	33	13	11	11	8	0	0	a	a
AVG. HOURLY VELOCITY,	5.9	a	10.0	a	7.8	a	7.2	a	7.5	a	8.8	a	10.8	a	12.4	a	0	a	8.9	a

Form No. 1002—Met'l.

U. S. Department of Agriculture,

WEATHER BUREAU.

ANNUAL METEOROLOGICAL SUMMARY

FOR

1931

STATION

Fort Wayne, Ind.

LOCATION OF OFFICE DECEMBER 31, 1931

Street, Ewing + Berry Sts

Number,

Room, 706 Wayne Pharmacal Bldg

SUM OF BAROMETER CORRECTIONS.

From 8 a m. Jan 1 *to* 8 P m. Dec 31, *inc.,* -.026 *in.*

From ..... *m.* ..... *to* ..... *m.* ....., *inc.,* ..... *in.*

From ..... *m.* ..... *to* ..... *m.* ....., *inc.,* ..... *in.*

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NOON, LOCAL MEAN TIME, OBSERVATION.

AVERAGES.

Month.	Temperature. Dry. (d)	Temperature. Wet (d)	Dew-Point. (e)	Relative Humidity. (e)	Vapor Pressure. (c)	Clouds. Amount. (d)	Clouds. Most Frequent Kind, Upper.	Clouds. Most Frequent Kind, Lower.	Clouds. Most Frequent Direction of Upper.	Clouds. Most Frequent Direction of Lower.
Jan.,	34.1	30.8	26	70	.140	6.2	a st	st	SW	SW
Feb.,	37.8	33.8	28	68	.154	6.3	a cu	st cu	E-NW W	NW
Mar.,	36.5	33.4	29	74	.159	8.4	a cu	st cu	W	NW
Apr.,	55.3	45.5	35	50	.214	4.5	ci + a cu	st cu	W	SW + NW
May,	64.2	54.2	46	54	.326	5.4	a cu	st cu	W	S + SW
June,	77.7	66.0	59	55	.529	5.4	a cu	cu	S-W	SW-W
July,	84.4	68.8	60	45	.547	4.5	a cu	cu	W	W
Aug.,	78.8	65.9	58	52	.502	5.3	a cu	cu	W	W
Sept.,	75.9	64.5	58	56	.500	5.0	a cu	st cu	W	SW
Oct.,	63.4	54.4	47	57	.344	5.7	ci	cu	W	SW
Nov.,	52.8	47.4	42	68	.291	6.7	a cu	st cu	W	SW
Dec.,	40.6	37.7	34	78	.204	7.5	a cu	st cu	W	W
Sum,	701.5	602.4	522	727	3.910	70.9	—	—	—	—
Mean,	58.5	50.2	44	61	.326	5.9	a cu	st cu	W	SW

(d) To tenths. (e) To whole numbers. (c) To thousandths.

ANNUAL METEOROLOGICAL SUMMARY FOR 1931.—STATION Fort Wayne, Ind.

Latitude N. 41° 5′ Longitude W. 85° 10′ Local time 0 h. 41 ~~19~~ min. (t) slower ~~faster~~ than 75th meridian normal time.

MONTH.	STATION PRESSURE. (Corrected for temperature, instrumental error, gravity, and removal.) Station Elevation of Barometer Cistern Above Mean Sea Level, ×857 ~~849~~ Feet. Mean. 8 a. m. (c)	8 p. m. (c)	Corrected monthly. (c)	Highest observed. (c)	Date.	Lowest observed. (c)	Date.	Absolute range. (c)	CORRECTED MONTHLY SEA-LEVEL PRESSURE. (c)
	In.	In.	In.	In.		In.		In.	In.
Jan.,	29.113	29.107	29.105	29.640	15	28.480	5	1.160	30.057
Feb.,	29.160	29.131	29.141	29.412	14	28.810	17	0.602	30.091
Mar.,	29.046	29.024	29.030	29.400	26	28.340	8	1.060	29.975
Apr.,	29.133	29.108	29.115	29.470	12	28.530	1	0.940	30.049
May,	29.032	28.993	29.007	29.356	22	28.600	9	0.756	29.930
June,	29.115	29.064	29.086	29.240	2	28.600	7	0.640	29.996
July,	29.064	29.009	29.033	29.250	12	28.650	5	0.600	29.935
Aug.,	29.149	29.102	29.122	29.440	15	28.800	28	0.640	30.032
Sept.,	29.134	29.095	29.109	29.500	30	28.699	25	0.801	30.024
Oct.,	29.159	29.133	29.140	29.633	12	28.630	29	1.003	30.068
Nov.,	29.209	29.190	29.193	29.670	26	28.720	17	0.950	30.131
Dec.,	29.175	29.189	29.176	29.660	2	28.690	11	0.970	30.124
				a	a	a	a	a Absolute range for year.	
Sum,	349.489	349.145	349.257	Highest.	Date.	Lowest.	Date.		360.412
Mean,	29.124	29.095	29.105	29.670	Nov. 26	28.340	Mar. 8	1.330	30.034

MONTH.	TEMPERATURE. Elevation of Dry Thermometer Bulb Above Ground on Dec. 31, 100 Feet. Mean. 8 a. m. (d)	8 p. m. (d)	From Self-Registering Instruments. Mean. Max. (d)	Min. (d)	Monthly. (d)	Highest. (e)	Date.	Lowest. (e)	Date.	Range. Absolute. (e)	Mean daily. (d)	Mean daily change. (d)
	°	°	°	°	°	°		°		°	°	°
Jan.,	28.0	32.0	37.5	25.2	31.4	54	24	10	15	44	12.3	5.0
Feb.,	29.8	36.8	41.2	28.1	34.6	59	28	16	14	43	13.1	4.6
Mar.,	31.0	35.8	38.9	29.0	34.0	55	23	19	12	36	10.0	2.9
Apr.,	43.2	54.0	59.8	40.1	50.0	79	13	32	28	47	19.7	5.2 ~~4.4~~
May,	53.4	61.4	67.8	46.4	57.1	88	28	36	24	52	21.4	5.8
June,	66.7	76.2	81.9	62.3	72.1	95	28	45	9	50	19.6	3.7
July,	72.3	81.7	88.1	67.0	77.6	99	17	55	11	44	21.1	2.6
Aug.,	66.7	76.2	82.5	63.5	73.0	94	5	53	31	41	19.0	2.9
Sept.,	63.9	72.8	79.6	61.4	70.5	95	11	46	28	49	18.2	4.1
Oct.,	51.4	59.1	66.4	48.6	57.5	84	5	34	18	50	17.8	4.7
Nov.,	44.9	49.9	55.9	42.4	49.2	71	23	24	26	47	13.5	5.4
Dec.,	35.1	39.2	43.7	32.6	38.2	63	11	19	8	44	11.1	4.4
						a	a	a	a	a Absolute range for year.		
Sum,	586.4	675.1	743.3	546.6	645.2	Max.	Date.	Min.	Date.		196.8	51.3
Mean,	48.9	56.3	61.9	45.6	53.8	99	Jy. 17	10	Jan. 15	89	16.4	4.3

a Omit data from this space. c To thousandths. d To tenths. e To whole numbers. t Enter the word "faster" or "slower," as the case may be.

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× Changed in compliance with letter from Climatological division dated Jan. 2, 1932 857 ft.

MONTH.	TEMPERATURE. Number of Days. Max. 32° or below.	Max. 90° or above.	Min. 32° or below.	DEW-POINT. Mean. 8 a. m. (e)	8 p. m. (e)	Monthly. (e)	RELATIVE HUMIDITY (Percentage). Mean. 8 a. m. (e)	8 p. m. (e)	Monthly. (e)	VAPOR PRESSURE. Mean. 8 a. m. (c)	8 p. m. (c)	Monthly. (c)	PRECIPITATION. (Amount in inches and hundredths.) Elevation of Top of Gage Above Ground Dec. 31, 9.3 Feet. Total Amount.	Greatest Amount in any 24 Consecutive Hours. Amt.	Date.	Excessive. 2.50 inches in 24 hours. (g) (h) Amt.	Duration (h. & m.)	Date.	1 inch per hour. (g) Amt.	Duration (h. & m.)	Date.	SNOWFALL (total depth).
				°	°	°	%	%	%	In.	In.	In.	In.	In.		In.			In.			In.
Jan.,	8	0	25	23	26	25	81	78	80	.126	.145	.136	0.67	0.32	5	—	—	—	—	—	—	2.3
Feb.,	2	0	22	26	29	28	84	74	79	.140	.163	.152	1.36	0.48	6-7	—	—	—	—	—	—	2.2
Mar.,	5	0	24	27	29	28	84	77	80	.146	.159	.152	1.96	0.90	7-8	—	—	—	—	—	—	11.5
Apr.,	0	0	5	36	36	36	75	54	64	.218	.220	.219	2.67	0.73	21-22	—	—	—	—	—	—	2.1
May,	0	0	0	46	45	46	76	59	68	.321	.318	.320	2.00	0.63	19-20	—	—	—	—	—	—	0
June,	0	7	0	59	60	60	77	60	69	.521	.549	.535	3.04	1.07	29	—	—	—	—	—	—	0
July,	0	14	0	62	62	62	72	53	62	.580	.576	.578	2.56	0.79	5	—	—	—	—	—	—	0
Aug.,	0	~~6~~ 5	0	60	60	60	80	59	69	.531	.525	.528	3.97	0.96	9	—	—	—	—	—	—	0
Sept.,	0	7	0	58	59	59	82	64	73	.503	.521	.512	2.08	1.30	25	—	—	—	—	—	—	0
Oct.,	0	0	0	46	48	47	83	67	75	.329	.347	.338	2.42	0.76	7-8	—	—	—	—	—	—	0
Nov.,	1	0	6	40	42	41	85	74	80	.270	.289	.280	2.64	1.14	17-18	—	—	—	—	—	—	2.3
Dec.,	1	0	16	33	34	33	90	81	85	.194	.204	.199	2.88	0.73	21-22	—	—	—	—	—	—	T
Sum,	17	33	98	516	530	525	969	800	884	3.879	4.016	3.949	28.25	a	a	a	a	a	a	a	a	20.4
Mean,	a	a	a	43	44	44	81	67	74	.323	.335	.329	a	1.30	Sept 25	a	a	a	a	a	a	a

g No entry unless the precipitation actually equaled or exceeded 2.50 inches in 24 consecutive hours, or 1 inch per hour, as the case may be. h The duration is the time precipitation was actually recorded.

Station *Fort Wayne, Ind.*

Month.	Mean Cloudiness. (0 to 10). 8 a. m. (d)	8 p. m. (d)	Monthly. (d)	Hours of Sunshine. Total.	Possible.	Percentage.	Wind. Elevation of Anemometer Cups Above Ground Dec. 31, 119 Feet. Total Movement in Miles.	Prevailing Direction.	Maximum Hourly Velocity During Month. Miles.	From.	Date.	No. of Days with 33 Miles and Over. (h)	Direction. Number of Times Observed Blowing from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	No. of Calms.	Number of Days. Clear.*	Partly Cloudy.*	Cloudy.*	Precipitation. .01 inch and over.	.04 inch and over.	Snow, trace and over.	Snow, .01 inch and over.	Hail.	Dense Fog.	Light Fog.	Thunderstorms.	Auroras.
Jan.,	6.9	6.3	6.3	146.3	298.2	49	6775	SW	34	NW	30	1	2	1	4	3	12	21	6	13	0	8	10	13	5	4	12	3	0	1	4	0	0
Feb.,	5.5	4.9	6.2	157.3	298.2	53	5416	NW	25	NW	13	0	7	5	5	4	7	8	6	14	0	6	9	13	12	6	10	7	0	3	5	0	0
Mar.,	8.6	8.1	8.4	105.4	370.8	28	6968	NW	31	NW	9	0	6	11	7	3	2	5	10	17	1	3	4	24	12	7	17	7	0	1	2	0	0
Apr.,	4.9	5.1	4.6	255.4	399.9	64	6146	NW	34	NW	26	1	8	6	6	4	8	12	5	11	0	16	6	8	12	10	4	2	0	0	0	0	0
May,	5.6	5.5	5.2	263.0	449.0	59	6350	SW	25	NW	2	0	6	3	4	12	8	15	5	9	0	12	7	12	13	9	0	0	1	0	1	1	0
June,	5.6	4.9	5.2	292.7	452.0	65	5033	SW	33	SW	6	1	3	10	8	10	10	9	6	4	0	8	15	7	9	9	0	0	0	0	0	9	0
July,	3.6	3.7	3.8	329.6 ~~330.6~~	458.3	72	4672	SW	31	E	1	0	8	6	6	1	3	20	9	9	0	15	12	4	6	5	0	0	0	0	0	7	0
Aug.,	5.2	4.7	5.1	251.0	426.9	59	4326	SW	28	SE	28	0	4	7	6	6	7	17	3	4	8	11	13	7	16	13	0	0	0	0	0	11	0
Sept.,	4.5	3.5	4.3	236.5	374.0	63	5316	SW	26	W	26	0	7	3	7	3	12	21	4	3	0	16	7	7	8	7	0	0	0	0	1	4	0
Oct.,	4.8	4.5	5.5	178.7	344.1	52	5851	SW	28	NW	16	0	2	4	2	8	14	20	8	4	0	13	4	14	12	9	0	0	0	1	7	5	0
Nov.,	7.4	4.6	7.2	78.3	297.0	26	6670	S	32	SE	20	0	3	1	6	10	11	19	8	2	0	7	7	16	11	10	2	1	0	2	4	0	0
Dec.,	6.9	6.6	7.5	81.9	287.3	29	6585	SW	30	SW	24	0	2	7	9	7	3	23	5	6	0	7	3	21	14	12	5	0	0	7	9	0	0
Sum,	69.5	62.4	69.3	2376.1	4455.7	619	70,108	a	a	a	a	3	58	64	70	71	97	190	75	96	9	122	97	146	130	101	50	20	1	15	33	37	0
Mean,	5.8	5.2	5.8	198.0	371.3	52	a	SW	j 34	j NW	j Apr. 26	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a

h Days with 33 miles per hour and over. j One entry only. * From sunrise to sunset.

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Standard of normal time in local use, 90 meridian.

MONTH.	WIND. Mean Hourly Velocity. 1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	12 Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	12 Mid't.	For the Month.
Jan.,	8.0	8.0	8.1	8.4	8.2	7.8	7.7	8.2	8.7	9.0	9.6	10.4	10.9	11.3	11.2	10.3	9.6	9.1	9.0	8.9	9.4	9.2	8.9	8.7	9.1
Feb.,	7.7	7.8	7.8	7.5	7.0	6.6	6.5	6.9	7.7	8.6	8.9	9.2	9.1	9.2	9.4	8.8	8.4	7.5	7.6	7.9	8.0	8.9	8.5	8.0	8.1
Mar.,	8.1	8.4	8.1	8.4	7.9	7.6	7.6	9.0	9.4	9.8	10.5	10.7	11.4	11.4	11.5	10.9	10.5	9.7	9.2	9.4	9.5	8.8	8.7	8.4	9.4
Apr.,	6.5	7.1	7.1	6.9	6.9	7.1	7.6	8.4	8.9	9.7	10.1	10.5	11.0	11.5	11.7	11.4	10.3	8.9	7.4	7.2	7.4	7.3	7.3	6.6	8.5
May,	6.5	6.4	6.1	6.0	6.1	6.4	7.3	8.6	9.4	10.0	10.3	~~9.4~~ 10.9	11.4	12.1	12.1	11.2	10.5	9.1	7.8	7.7	7.4	7.2	7.4	7.0	8.5
June,	5.3	5.5	5.1	5.3	5.3	5.4	6.5	7.1	7.5	7.9	8.8	9.2	9.1	9.5	9.2	8.9	8.5	7.7	6.5	6.1	6.0	5.8	5.6	5.8	7.0
July,	4.8	5.0	5.2	4.8	4.3	4.8	5.5	6.3	6.4	6.8	7.1	~~7.6~~ 7.7	8.5	8.6	8.8	8.4	8.0	7.4	5.9	5.8	5.5	5.4	4.9	5.1	6.3
Aug.,	4.8	5.0	4.9	4.3	4.1	4.2	4.5	5.3	6.0	6.7	7.4	7.9	8.3	8.5	8.8	8.2	7.3	6.1	4.7	4.7	4.3	4.4	4.6	4.7	5.8
Sept.,	5.7	5.8	6.1	6.3	6.5	6.0	6.5	7.6	8.1	8.6	8.9	9.2	9.3	9.9	9.9	9.6	8.5	7.4	6.1	6.4	6.4	6.5	6.2	5.9	7.4
Oct.,	5.9	6.3	6.2	6.0	6.4	6.5	6.1	7.1	7.8	9.0	9.7	10.5	10.9	11.1	11.1	10.2	8.5	7.4	7.0	6.9	7.7	7.1	7.2	6.4	7.9
Nov.,	7.9	8.2	8.7	9.0	8.6	8.8	8.7	9.1	9.8	10.8	11.1	11.3	11.8	11.3	11.2	10.0	8.7	8.0	7.8	8.5	8.3	8.2	8.6	7.9	9.3
Dec.,	7.7	7.8	8.1	7.8	8.1	7.8	8.1	8.6	9.4	9.7	10.3	10.4	10.9	10.7	10.3	9.3	8.5	8.2	8.3	8.8	8.6	8.4	8.4	8.2	8.9
Sum,	78.9	81.3	81.5	80.7	79.4	79.0	82.6	92.2	99.1	106.6	112.7	117.9	122.6	125.1	125.2	117.2	107.3	96.5	87.3	88.3	88.5	87.2	86.3	82.7	96.2
Mean,	6.6	6.8	6.8	6.7	6.6	6.6	6.9	7.7	8.3	8.9	9.4	9.8	10.2	10.4	10.4	9.8	8.9	8.0	7.3	7.4	7.4	7.3	7.2	6.9	8.0

Station *Fort Wayne, Ind.* **Standard of normal time in local use,** 90 **meridian.**

MEAN HOURLY ATMOSPHERIC TEMPERATURE.—(By Richards' Thermograph.)

MONTH.	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	12 Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	12 Mid't.	FOR THE MONTH.
Jan.,																									
Feb.,																									
Mar.,																									
Apr.,																									
May,																									
June,																									
July,																									
Aug.,																									
Sept.,																									
Oct.,																									
Nov.,																									
Dec.,																									
Sum,																									
Mean,																									

Prepared by R. E. Leamon

Earle L. Hardy,
Weather Bureau.

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Standard of normal time in local use, 90 meridian.

MONTH.	WIND—NUMBER OF MILES AND LENGTH OF TIME FROM—																			
	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	Miles.	Hours.	Miles.	Hours.	Miles.	Hours.	Miles.	Hours.	Miles.	Hours.	Miles.	Hours.	Miles.	Hours.	Miles.	Hours.	Miles.	Hours.	Miles.	Hours.
January,	236	18	145	22	276	48	271	47	974	110	2937	309	840	88	1096	102	0	0	6775	744
February,	576	87	319	47	604	81	245	28	613	66	1195	124	459	69	1405	170	0	0	5416	672
March,	754	85	1148	117	1056	120	353	44	146	16	670	58	985	121	1856	178	0	5	6968	744
April,	665	82	744	103	456	71	281	33	838	89	965	110	1103	111	1094	121	0	6	6146	720
May,	459	68	317	41	490	75	751	91	1279	135	1440	163	485	57	1129	113	0	1	6350	744
June,	442	70	329	53	692	108	799	110	724	114	875	117	569	79	603	69	0	0	5033	720
July,	653	106	281	47	393	57	77	13	507	84	1480	227	664	112	617	96	0	2	4672	744
August,	562	81	567	87	381	72	299	61	312	63	1460	214	330	56	415	59	0	51	4326	744
September,	425	62	322	53	334	65	326	46	878	108	2029	258	592	73	410	55	0	0	5316	720
October,	276	27	176	28	271	35	454	69	1497	196	1896	247	613	79	668	63	0	0	5851	744
November,	68	9	112	20	561	85	714	70	2028	196	1754	191	1098	111	335	38	0	0	6670	720
December,	201	34	678	68	858	110	551	77	533	71	2165	245	878	81	721	58	0	0	6585	744
Sum,	5317	729	5138	686	6372	927	5121	689	10,329	1248	18,866	2263	8616	1037	10,349	1122	0	59	70,108	8,760
Percentage,	8	8	7	8	9	10	7	8	15	14	27	26	12	12	15	13	0	1	100	100
Average hourly velocity,	7.3	a	7.5	a	6.9	a	7.4	a	8.3	a	8.3	a	8.3	a	9.2	a	0	a	8.0	a

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JAN 1 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	18	18	18	17	14	11	13	14	15	16	19	22
State of weather: Nature of precipitation and time of beginning and ending	SD cont.				SD E 5:00							
Amounts of precipitation	T	T	T	T	T							
Cloudiness and other conditions						← cloudy						
Sunrise: Time, Character, Moonrise:	7:06 cloudy											
Sunshine (in tenths of hours)								0	0	0.6	1.0	1.0
Wind direction	W	W	W	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	8	7	9	7	8	6	7	5	5	6	7	11

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	24	25	26	25	23	21	20	19	19	19	21	22
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					clear							
Sunset: Time, Character, Moonset:									4:23 clear			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.35							
Wind direction	S	SW	S	S	S	S	S	S	S	S	S	SW
Wind movement	12	12	12	13	10	14	12	11	15	14	13	14

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

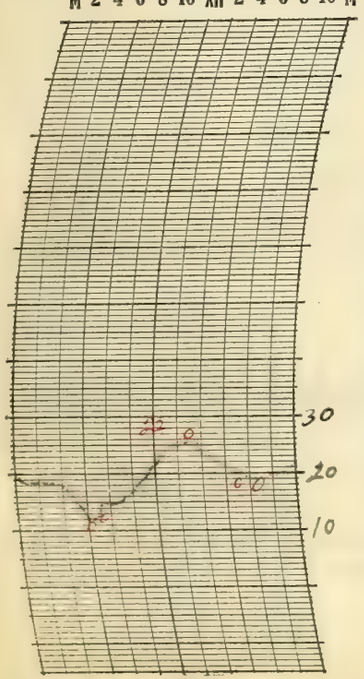
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
26	11	18	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0.2 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, part cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 7.0 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 75
Prevailing wind direction, SW Total wind, 238
Average hourly velocity, 9.9 Extreme velocity, 18
Maximum velocity, 12 Direction, S
Time began, 9:14 pm.
Reduced barometer, 30.33 7 a. m. 30.24 7 p. m
River gage, −0.5 feet
Relative humidity, 85 7 a. m. 78 7 p. m.

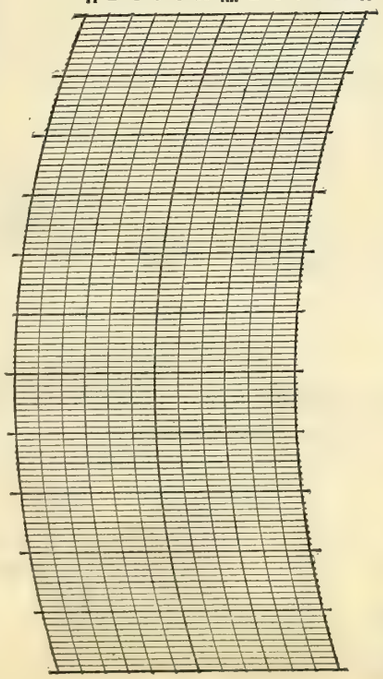
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 22.1 Wet temperature, 20.1
Dew-point, 15 R. humidity, 72 V. pressure, .081
Clouds: Amount, 2; Kind, cst; Direction, SW
Velocity of clouds (miles per hour) —

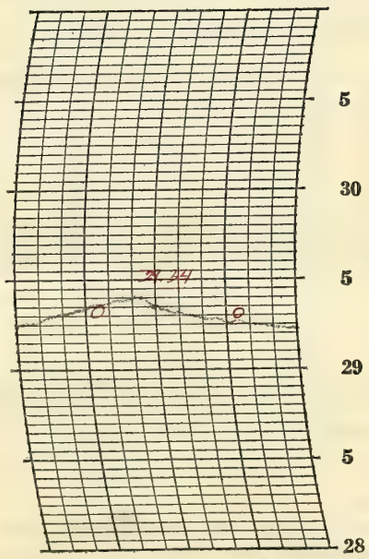
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by [illegible]

Verified by [illegible]

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NOTES

Partly cloudy to cloudy early in the morning followed by a clear beautiful day. However it was rather cold.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JAN 2 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	22	22	22	21	20	21	22	23	27	31	34	37
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← clear						
Sunshine (in tenths of hours)								0.80 / 0	1.0 / 0	0.6 / 0.4	1.0	1.0
Wind direction	SW	S	SW	S	S	S	SW	S	SW	S	S	S
Wind movement	10	13	11	12	12	12	12	10	11	13	15	15

Sunrise: Time, 7:06 Character, clear
Moonrise:

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	39	40	41	39	36	35	34	34	35	35	35	35
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.1	0							
Wind direction	SW	SW	SW	S	S	S	S	S	SW	SW	SW	SW
Wind movement	14	16	15	14	14	11	14	15	15	16	14	12

Sunset: Time, 4:24 Character, cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

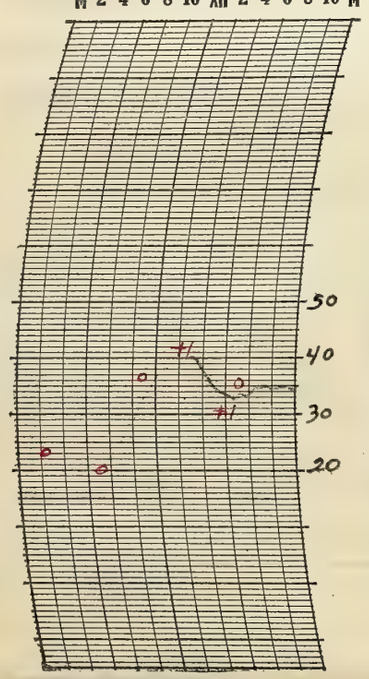
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
41	20	30	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 8.0 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 86
Prevailing wind direction, S Total wind, 316
Average hourly velocity, 13.2 Extreme velocity, 20
Maximum velocity, 19 Direction, S
Time began, 2:47 p.m.
Reduced barometer, 30.13 7 a. m. 30.00 7 p. m.
River gage, -0.3 feet
Relative humidity, 72 7 a. m. 77 7 p. m.

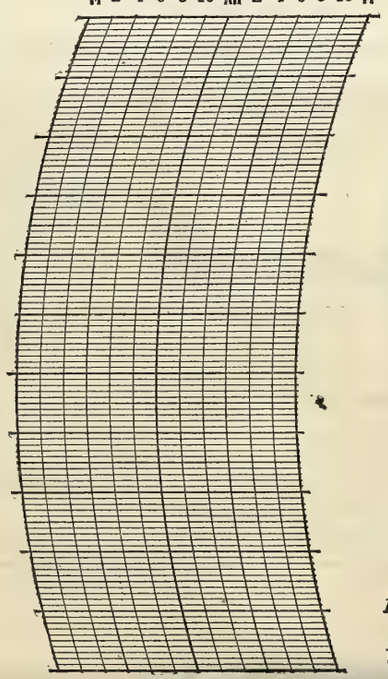
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 37.4 Wet temperature, 30.9
Dew-point, 20 R. humidity, 46 V. pressure, .103
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

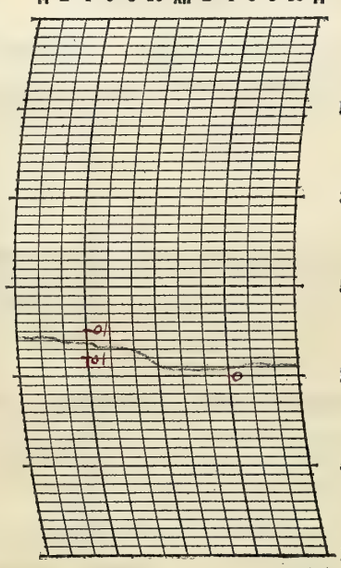
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by G.S.
Verified by E.L.H.

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NOTES

A clear, mild, pleasant day.
Partly cloudy at night.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JAN 3 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	35	35	35	35	35	35	35	35	35	36	39	42
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← cldy		cldy X		clear		
Sunshine (in tenths of hours)								0.2 0	1.0 0	0.8 0.1	1.0	1.0
Wind direction	SW	SW	S	SW	SW	SW	SW	S	S	SW	SW	SW
Wind movement	11	10	10	13	11	12	9	12	13	13	12	12

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	43	44	43	42	39	37	36	35	34	34	34	33
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	1.0	0.7	0	0	0							
Wind direction	SW	SW	SW	S	S	S	S	S	S	S	S	S
Wind movement	13	11	10	9	9	8	9	8	8	8	7	8

Sunrise: Time, 7:06 Character, cloudy

Moonrise:

Sunset: Time, 4:25 Character, cloudy

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
44	33	38	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, clear Moon phase,

Average daily cloudiness (0–10), 3

Actual sunshine, hours, 5.8 Possible sunshine, hours, 9.3

Per cent of possible sunshine, 62

Prevailing wind direction, SE SW Total wind, 246

Average hourly velocity, 10.2 Extreme velocity, 18

Maximum velocity, 16 Direction, SW

Time began, 9:48 am.

Reduced barometer, 30.00 7 a. m. 30.01 7 p. m.

River gage, -0.5 feet

Relative humidity, 64 7 a. m. 73 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

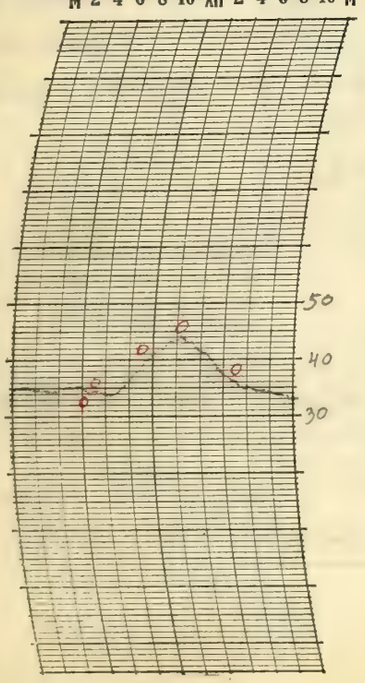
Dry temperature, 42.0 Wet temperature, 36.0

Dew-point, 28 R. humidity, 55 V. pressure, .150

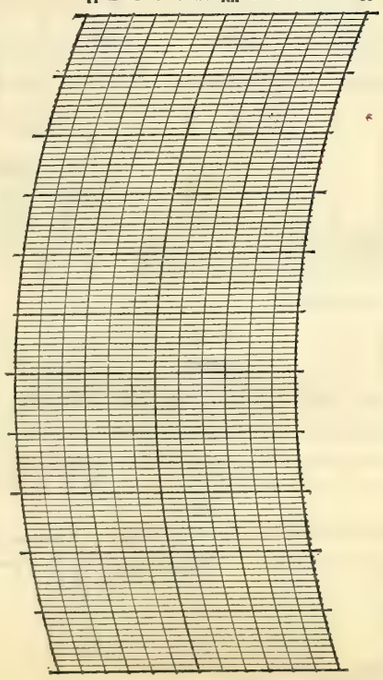
Clouds: Amount, 0; Kind, 0; Direction, 0

Velocity of clouds (miles per hour)

THERMOGRAPH



THERMOGRAPH



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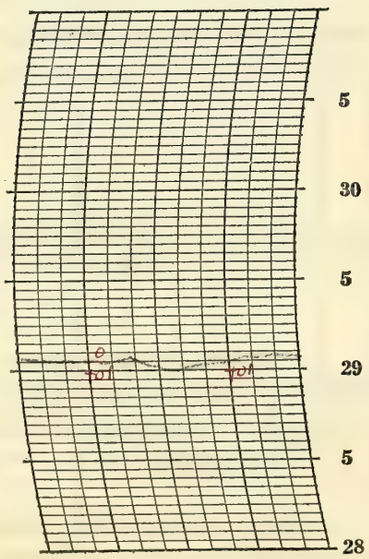


Prepared by

Verified by

8—486

NOTES

Observed sunshine

A mostly clear, moderate day.

Tipping bucket inserted 6:38 pm.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JAN 4 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	33	32	32	32	32	32	32	35	37	40	47
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						<Clear			Partly	cloudy	X	
Sunrise: Time, 7:06 Character, cloudy												
Moonrise:												
Sunshine (in tenths of hours)								0.5 0	1.0 0	1.0 0	0.2 0.4	1.0
Wind direction	S	S	S	S	S	S	S	S	S	S	SE	SE
Wind movement	6	5	4	3	3	3	3	4	3	4	2	3

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	46	45	45	44	42	41	41	41	40	39	39	39
State of weather: Nature of precipitation and time of beginning and ending							RB 6:10 RE 6:15				RB 10:00	R cont
Amounts of precipitation							T				T	T
Cloudiness and other conditions							cloudy				7	
Sunset: Time, 4:26 Character, cloudy												
Moonset:												
Sunshine (in tenths of hours)	0.2	0	0	0	0							
Wind direction	SE	SE	E	SE	E	SE	E	E	E	E	E	E
Wind movement	7	7	7	6	7	6	6	4	5	5	7	5

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
47	32	40	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, part cloudy Moon phase,

Average daily cloudiness (0-10), 7

Actual sunshine, hours, 4.3 Possible sunshine, hours, 9.3

Per cent of possible sunshine, 46

Prevailing wind direction, S Total wind, 115

Average hourly velocity, 4.8 Extreme velocity, 9

Maximum velocity, 9 Direction, SE

Time began, 3:14 pm.

Reduced barometer, 30.02 7a. m. 29.88 7p. m.

River gage, -0.2 feet

Relative humidity, 85 7a. m. 83 7p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

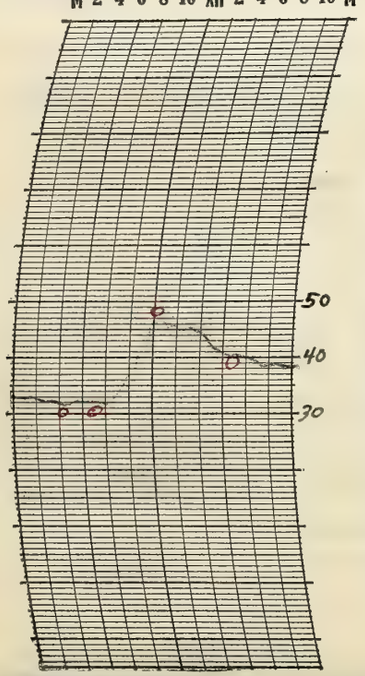
Dry temperature, 42.0 Wet temperature, 41.5

Dew-point, 35 R. humidity, 63 V. pressure, .203

Clouds: Amount, 5; Kind, cirr; Direction, SE

Velocity of clouds (miles per hour)

THERMOGRAPH



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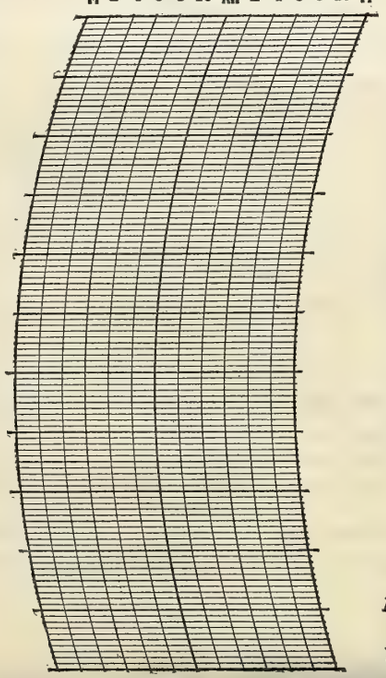
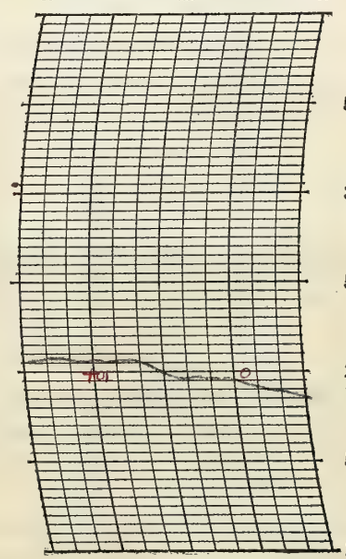


BAROGRAPH.



Prepared by CH

Verified by E.P.H

8—486

NOTES

Sunshine thru upper clouds
Partly cloudy in the morning,
cloudy at night with rain at night,
A mild pleasant day

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JAN 5 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	38	37	36	36	36	35	34	35	36	37	38	38
Nature of precipitation and time of beginning and ending	R cont	RE 1142						RB 730				
Amounts of precipitation	T	T						T	.04	.06	.07	.05
Cloudiness and other conditions						←				cloudy		
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	E	E	E	E	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	6	5	8	7	8	8	8	9	8	10	8	8

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	37	37	36	36	36	36	36	36	36	35	35	34
Nature of precipitation and time of beginning and ending					RE 500							
Amounts of precipitation	.04	.02	.03	.01	T							
Cloudiness and other conditions												→
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	NE	NE	N	N	N	N	N	N	N	N	N	N
Wind movement	13	12	13	13	13	13	15	14	15	18	19	20

State of weather.

Sunrise: Time, 7:06 Character, cloudy

Moonrise:

Sunset: Time, 4:27 Character, cloudy

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
39	34	36	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., .32 ins.

Total precipitation, midnight to midnight, .32 inches.

Character of day, cloudy Moon phase,

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 9.4

Per cent of possible sunshine, 0

Prevailing wind direction, N & NE Total wind, 271

Average hourly velocity, 11.3 Extreme velocity, 27

Maximum velocity, 24 Direction, N

Time began, 10:57 pm

Reduced barometer, 29.59 7 a. m. 29.43 7 p. m.

River gage, -0.5 feet

Relative humidity, 100 7 a. m. 95 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

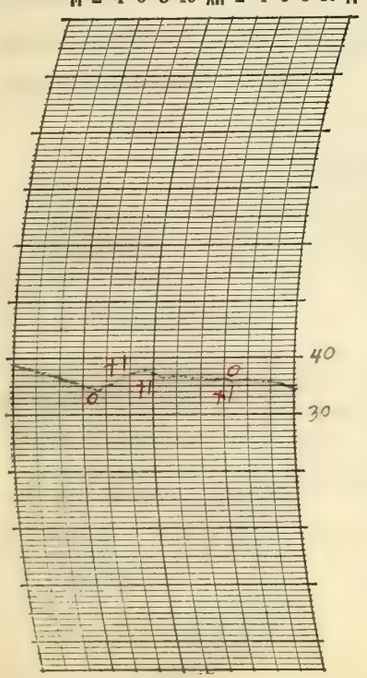
Dry temperature, 37.8 Wet temperature, 37.8

Dew-point, 38 R. humidity, 100 V. pressure, .228

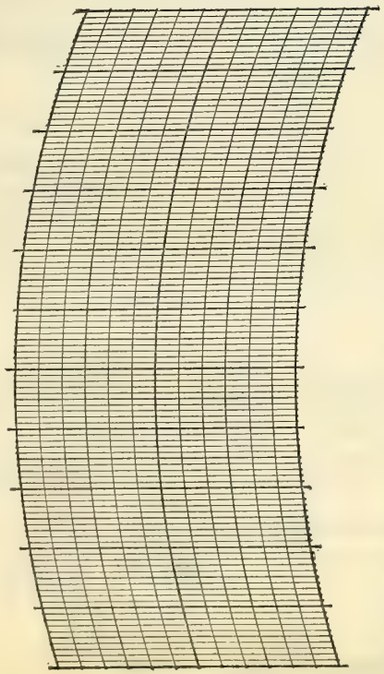
Clouds: Amount, 10; Kind, ~~St~~ 10; Direction, NE

Velocity of clouds (miles per hour)

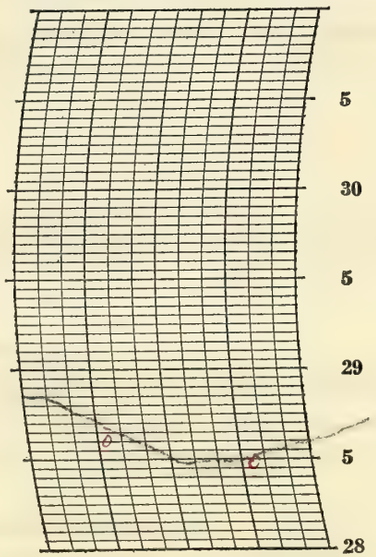
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by

Verified by

8—486

NOTES

Dense fog began shortly after mid-night and continued until 10:00 am. Then light fog continued the rest of the day ending at 5:00pm. The visibility was very poor and flying was impossible. Eight army planes were held here all day.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JAN 8 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	33	33	32	32	32	30	30	30	30	31	31
											SP 10:00	SP 11:15
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation											T	T
Cloudiness and other conditions						←						cloudy
Sunrise: Time, 7:06 Character, cloudy												
Moonrise:												
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	N	NW	NW	N	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	19	17	18	17	16	16	15	14	14	15	16	14
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	31	30	32	31	30	29	29	29	29	29	29	28
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions								×	partly		→	
Sunset: Time, 4:28 Character, cloudy												
Moonset:												
Sunshine (in tenths of hours)	0	0	0.4	0	0							
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	15	17	17	19	17	16	16	13	13	12	13	8
Maximum velocities (exceeding 24 miles) direction and time												

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
34	28	31	

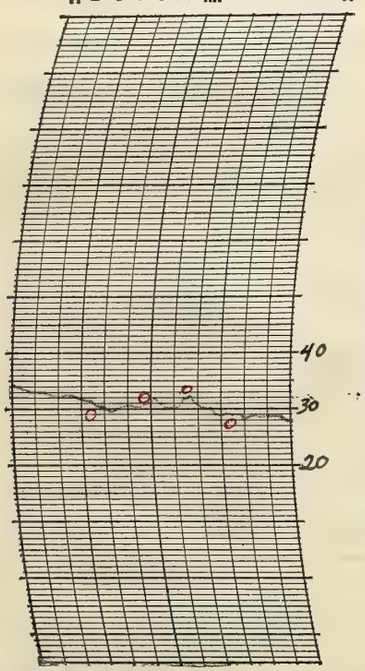
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 4 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 4
Prevailing wind direction, NW Total wind, 367
Average hourly velocity, 15.3 Extreme velocity, 25
Maximum velocity, 24 Direction, NW
Time began, 3:26 pm
Reduced barometer, 29.68 7 a. m. 29.94 7 p. m.
River gage, 10.7 feet
Relative humidity, 78 7 a. m. 83 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 31.3 Wet temperature, 28.8
Dew-point, 10 R. humidity, st cu V. pressure, N
Clouds: Amount, 24; Kind, 74; Direction, 124
Velocity of clouds (miles per hour)

THERMOGRAPH



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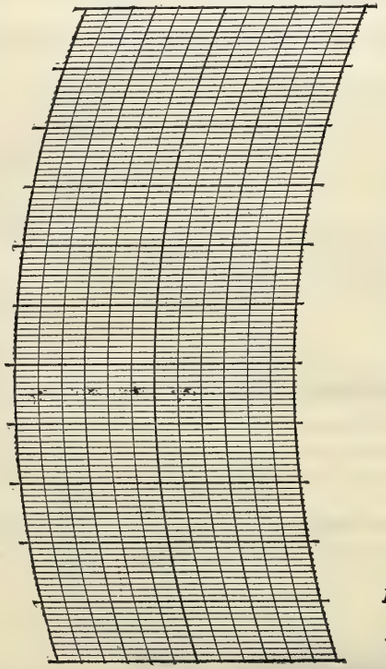
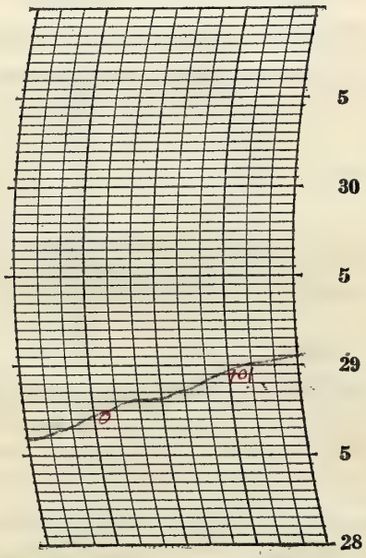


BAROGRAPH.



Prepared by EH

Verified by EH

8—486

NOTES

A cloudy day however the sun shone thru broken clouds at intervals near midday. A rather cold windy day. Partly cloudy at night. Good visibility and rather high ceilings. Army planes were able to leave about 9:30 am.

Tipping bucket removed during am observation.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JAN 7 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	27	26	26	26	26	26	27	27	27	28	29	29	30	31	31	31	31	31	31	30	30	30	29	29
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←					cloudy													→
Sunshine (in tenths of hours)								0	0	0	0	0	0	0	0	0	0							
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	SE	E	E	SE	SE	SE	SE	SE	SE	SE	E	E	SE	E	SE	SE
Wind movement	6	6	5	4	4	3	3	3	3	4	4	6	4	7	6	4	6	5	6	6	7	7	6	6
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 7:06 Character, cloudy
Moonrise:

Sunset: Time, 4:29 Character, cloudy
Moonset:

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

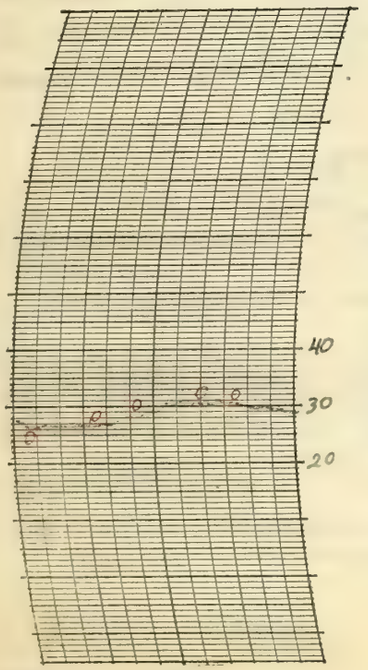
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
31	26	28	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 0
Prevailing wind direction, SE Total wind, 121
Average hourly velocity, 5.0 Extreme velocity, 9
Maximum velocity, 9 Direction, E
Time began, 9:19 pm.
Reduced barometer, 30.12 7 a. m. 30.10 7 p. m.
River gage, 70.5 feet
Relative humidity, 76 7 a. m. 68 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 29.1 Wet temperature, 27.1
Dew-point, 24 R. humidity, 78 V. pressure, .124
Clouds: Amount, 10; Kind, st; Direction, S
Velocity of clouds (miles per hour)

THERMOGRAPH



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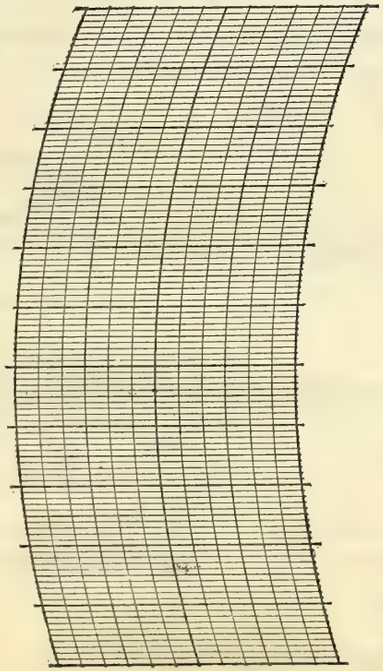
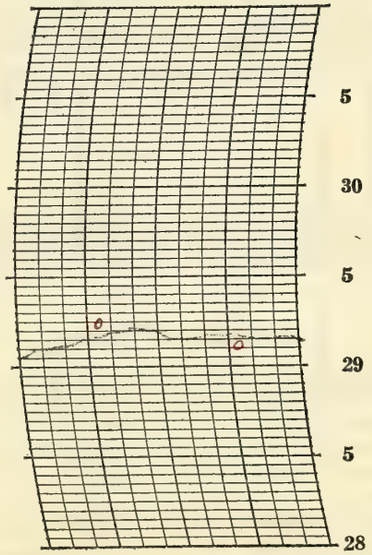


BAROGRAPH.



Prepared by CJ

Verified by

8—486

NOTES

a cloudy, cold day but flying conditions fair.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JAN 8 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	28	28	28	27	26	26	24	23	25	28	31	35	36	37	38	37	36	35	34	33	32	31	30	28
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←			clear					X		part	cloudy						→	
Sunshine (in tenths of hours)								† 0.90 0	1.0 0	1.0 0	1.0 0	0.6 0.4	1.0	1.0	0.8	0	0							
Wind direction	E	E	E	E	E	E	N	NE	NE	NE	NE	NE	SE	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	6	5	6	6	5	4	5	4	5	4	3	5	5	6	4	6	3	4	5	5	6	5	5	7
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 7:06 Character, clear

Moonrise:

Sunset: Time, 4:30 Character, cloudy

Moonset:

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
38	23	30	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, clear Moon phase,

Average daily cloudiness (0-10), 2

Actual sunshine, hours, 7.7 Possible sunshine, hours, 9.4

Per cent of possible sunshine, 82

Prevailing wind direction, SW Total wind, 119

Average hourly velocity, 5.0 Extreme velocity, 9

Maximum velocity, 9 Direction, SW

Time began, 11:49 pm

Reduced barometer, 30.12 7 a. m. 30.10 7 p. m.

River gage, + 0.5 feet

Relative humidity, 87 7 a. m. 67 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

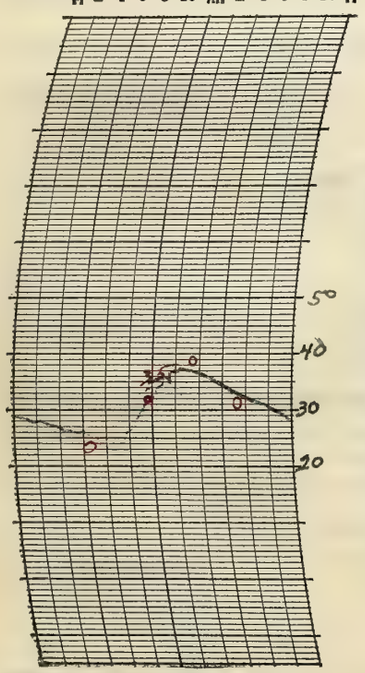
Dry temperature, 35.1 Wet temperature, 30.1

Dew-point, 22 R. humidity, 55 V. pressure, .113

Clouds: Amount, 0; Kind, 0; Direction, 0

Velocity of clouds (miles per hour)

THERMOGRAPH



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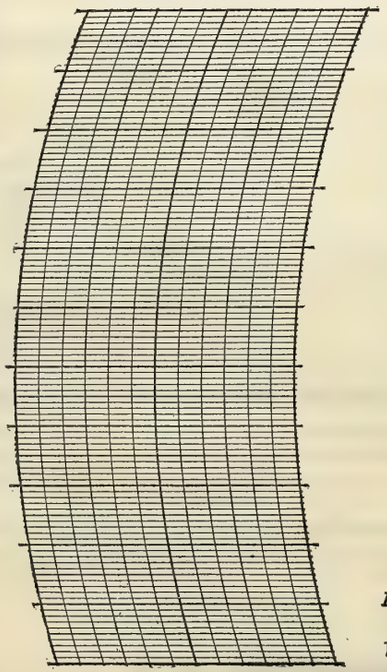
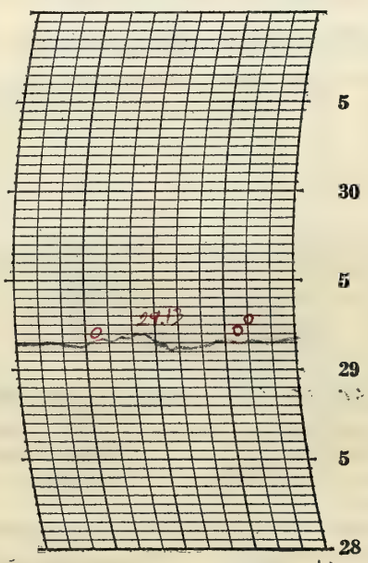


BAROGRAPH.



Prepared by E.H.

Verified by E.H.

8—486

NOTES

† Electrical recorder out of adjustment was corrected

Clear in the morning followed by increasing cloudiness in the afternoon. Good flying conditions.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JAN 9 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	28	29	30	30	31	31	32	31	30	32	33	35	37	39	40	39	36	34	34	33	32	31	30	29
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					←			Cloudy			X	Ptcly	X				Clear							→
Sunshine (in tenths of hours)								0	0	0	0	0.3	0.6	1.0	1.0	1.0	0.52							
Wind direction	SW	SW	SW	SW	SW	SW	W	W	W	W	W	SW	W	W	W	W	W	NW	NW	NW	SW	W	SW	SW
Wind movement	6	4	5	7	6	8	7	12	9	8	9	11	11	13	13	13	11	6	5	3	5	4	5	7

Sunrise: Time, 7:06 Character, cloudy
Moonrise:

Sunset: Time, 4:31 Character, clear
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

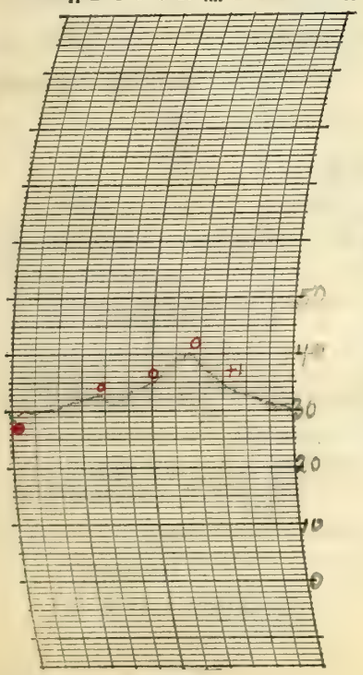
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
40	28	34	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, part cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 4.4 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 47
Prevailing wind direction, W Total wind, 188
Average hourly velocity, 7.8 Extreme velocity, 18
Maximum velocity, 17 Direction, W
Time began, 1:52 p.m
Reduced barometer, 30.14 7 a. m. 30.24 7 p. m.
River gage, +0.5 feet
Relative humidity, 74 7 a. m. 52 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 34.8 Wet temperature, 30.8
Dew-point, 25 R. humidity, 64 V. pressure, .130
Clouds: Amount, 6; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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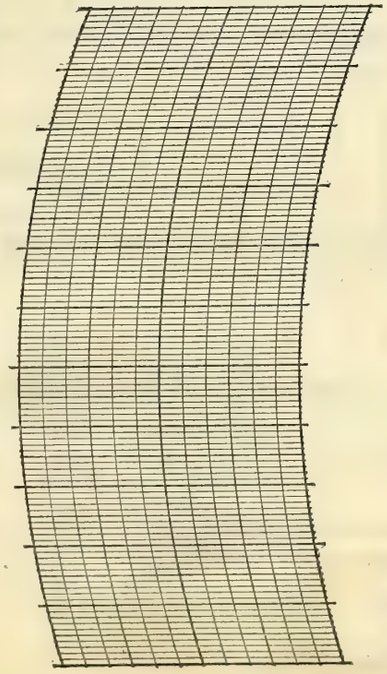
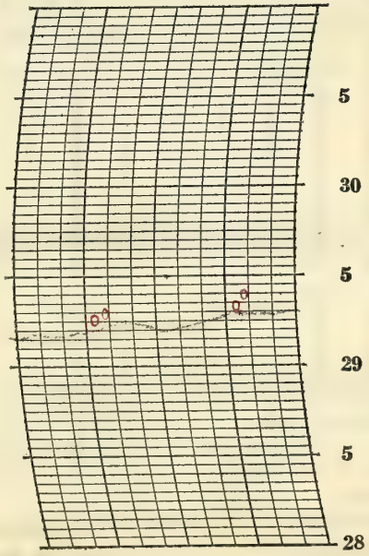


BAROGRAPH.



Prepared by EJ
Verified by E.L.H.

8—486

NOTES

A cloudy threatening morning followed by a mild clear beautiful afternoon.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JAN 10 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	29	28	27	27	26	26	26	26	28	31	35	38	40	41	42	42	40	38	34	33	31	31	31	31
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions												Clear												
Sunshine (in tenths of hours)								0.4 (0.50)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.53							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S	SW	S	S	S	S
Wind movement	7	6	6	6	5	7	7	7	7	7	8	8	8	9	9	9	5	8	8	9	7	8	9	8
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 7:06 Character, clear
Moonrise:
Sunset: Time, 4:32 Character, Clear
Moonset:

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

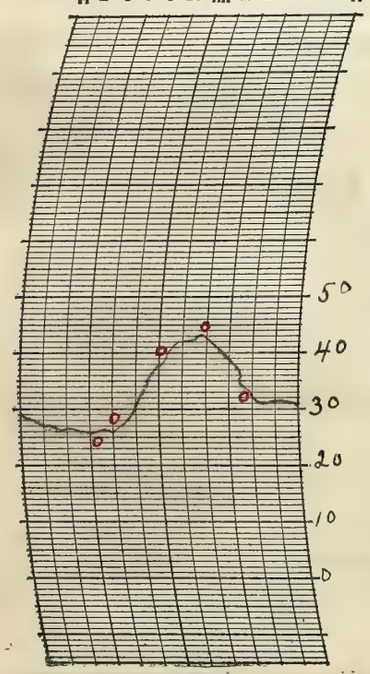
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
43	26	34	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 9.4 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind, 178
Average hourly velocity, 7.4 Extreme velocity, 12
Maximum velocity, 12 Direction, SW
Time began, 2:10 P.M.
Reduced barometer, 30.28 7 a. m. 30.22 7 p. m.
River gage, +0.3 feet
Relative humidity, 82 7 a. m. 81 7 p. m.

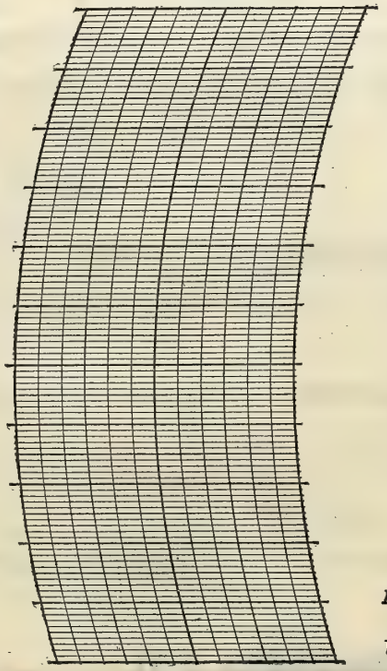
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 38.4 Wet temperature, 33.9
Dew-point, 27 R. humidity, 63 V. pressure, 143
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

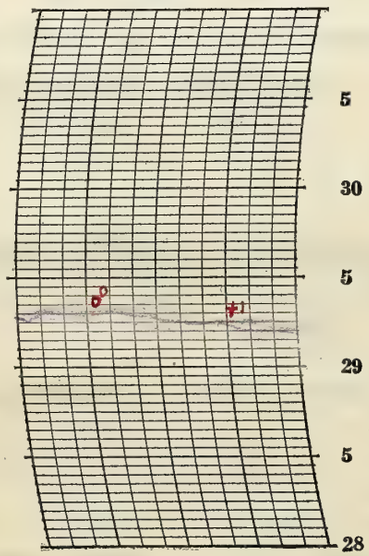
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by E.L.H.

Verified by E.L.H.

NOTES

A clear warm beautiful day.
Clear at night.

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JAN 11 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	30	29	30	30	31	31	32	33	34	35	36	37
Nature of precipitation and time of beginning and ending					*S M Dly.		S M E 6:15A					
Amounts of precipitation					T	T	T					
Cloudiness and other conditions												Cloudy
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	S	S	S	S	S	SW	S	SE	SE	SE	S	S
Wind movement	7	6	7	7	9	5	5	6	7	7	7	8

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	36	35	35	34	34	34	34	34	33	33	33	33
Nature of precipitation and time of beginning and ending	S M B 12:07 P											S M Cont'd
Amounts of precipitation	T	.01	T	.01	.01	.01	.02	.01	.02	.01	.01	.01
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	S	SE	SE	S	SE	SE	SE	SE	S	S	SW	SW
Wind movement	8	7	7	8	8	7	7	7	6	7	5	5

Sunrise: Time, 7:05 Character, Cloudy
Moonrise:

Sunset: Time, 4:33 Character, Cloudy
Moonset:

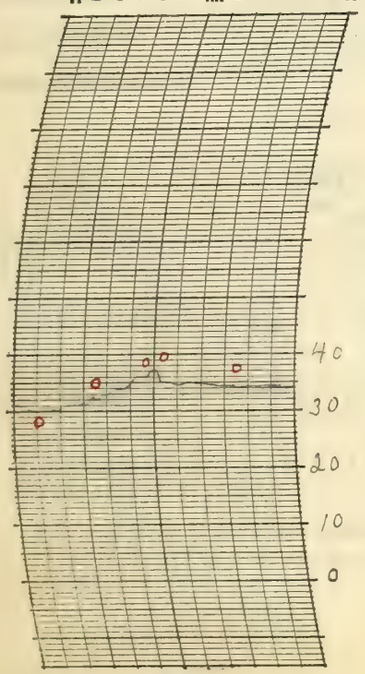
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
37	29	33	

Total depth of snow for 24 hours ending 7 p. m., 0.6 inches.
Snow, sleet, and hail on ground 7 p. m., 0.1 inches.
Total snowfall, midnight to midnight, 1.2 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .06 ins.
Total precipitation, midnight to midnight, 0.12 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.5
Per cent of possible sunshine, 0
Prevailing wind direction, S Total wind, 163
Average hourly velocity, 6.8 Extreme velocity, 11
Maximum velocity, 11 Direction, S
Time began, 4:32 A.M.
Reduced barometer, 30.09 7 a. m. 29.89 7 p. m
River gage, -0.5 Feet
Relative humidity, 91 7 a. m. 92 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)
Dry temperature, 36.6 Wet temperature, 33.0
Dew-point, 27 R. humidity, 69 V. pressure, 1.43
Clouds: Amount, 10; Kind, St.; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH



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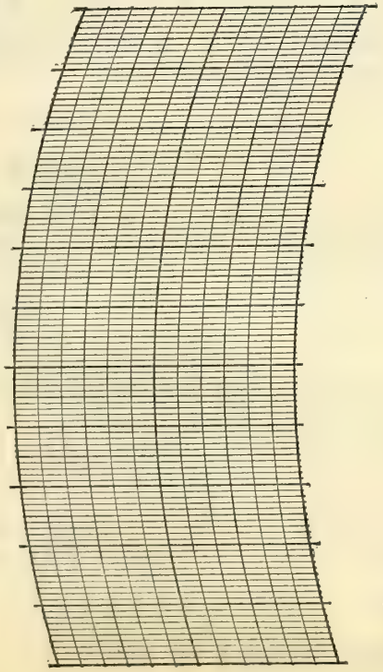
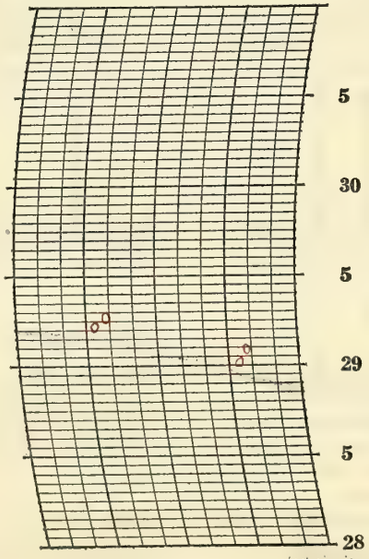


BAROGRAPH.



Prepared by E.S.H.

Verified by E.S.H.

8—486

NOTES

Increasing cloudiness after three am and some light snow occurred again in the afternoon. A cloudy stormy day: snow was wet and stuck to wind shields etc. Streets rather slippery after 2:00 P.M.

*Hourly amount is estimated.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JAN 12 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	33	33	33	33	33	32	30	30	31	31	31
State of weather: Nature of precipitation and time of beginning and ending	M Start		M SE 8 NA									SB 11:45 M E 11:55
Amounts of precipitation	* .01	.01	.01									T
Cloudiness and other conditions												Cloudy
Sunshine (in tenths of hours)								0	0.7	0	0	0
Wind direction	SW	SW	SW	SW	SW	W	W	SW	SW	SW	SW	SW
Wind movement	6	6	6	7	8	9	8	7	8	11	10	12

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	31	31	31	31	30	28	27	27	27	26	26	25
State of weather: Nature of precipitation and time of beginning and ending		SB 1:15 M E 1:25			D SB 4:01			M SE 7:50				
Amounts of precipitation		T			T	T	T	T				
Cloudiness and other conditions												
Sunshine (in tenths of hours)	0.2	0.6	0.1	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W
Wind movement	11	12	12	11	11	11	12	13	12	11	12	11

Sunrise: Time, 7:05 Character, Cloudy
Moonrise:

Sunset: Time, 4:34 Character, Cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

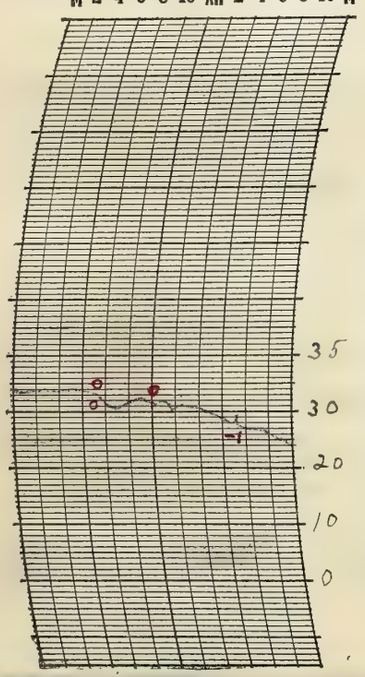
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
33	25	29	

Total depth of snow for 24 hours ending 7 p. m., 0.9 inches.
Snow, sleet, and hail on ground 7 p. m., 0.6 inches.
Total snowfall, midnight to midnight, 0.3 inches.
Precipitation to 7 a. m., 0.09 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 0.03 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 1.6 Possible sunshine, hours, 9.5
Per cent of possible sunshine, 17
Prevailing wind direction, SW Total wind, 237
Average hourly velocity, 9.9 Extreme velocity, 17
Maximum velocity, 16 Direction, W
Time began, 11:04 P
Reduced barometer, 29.78 7 a. m. 29.86 7 p. m.
River gage, +0.7 feet
Relative humidity, 90 7 a. m. 88 7 p. m.

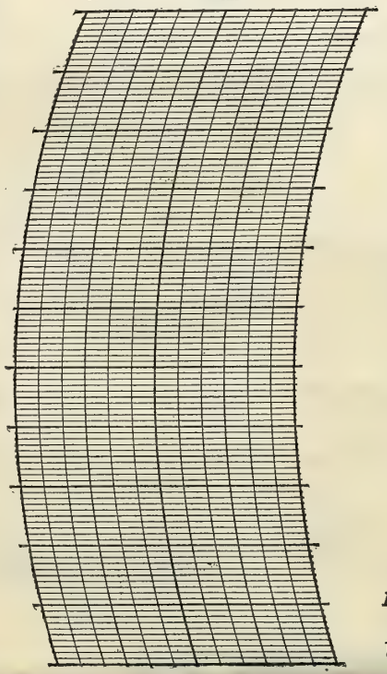
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 30.8 Wet temperature, 29.8
Dew-point, 29 R. humidity, 89 V. pressure, .157
Clouds: Amount, 10; Kind, St; Direction, SW
Velocity of clouds (miles per hour)

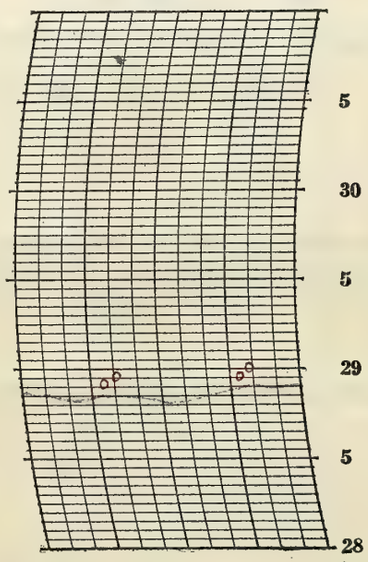
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. S.

Verified by E.L.H

8—486

NOTES

* Hourly amounts estimated.
A Cloudy threatening day with an occasional very light snow flurry. Streets quite slippery most of the day. Cloudy at night.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JAN 13 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	24	23	23	24	24	24	23	23	22	23	23	24
Nature of precipitation and time of beginning and ending					S D N/A			S E 7:15			S D 10:40	
Amounts of precipitation					T	T	T	T			T	T
Cloudiness and other conditions					Cloudy			Cloudy				
Sunshine (in tenths of hours)								0	0.8	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	11	11	12	9	11	9	10	9	10	10	12	11

Sunrise: Time, 7:05 Character, Cloudy
Moonrise:

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	24	26	24	24	23	22	22	22	21	21	21	20
Nature of precipitation and time of beginning and ending												S D Cont
Amounts of precipitation	T	T	T	T	T	T	T	T	T	T	T	T
Cloudiness and other conditions			Cloudy									
Sunshine (in tenths of hours)												
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	10	10	11	9	7	7	7	6	6	7	6	5

Sunset: Time, 4:35 Character, Cloudy
Moonset:

Maximum velocities (exceeding 22 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

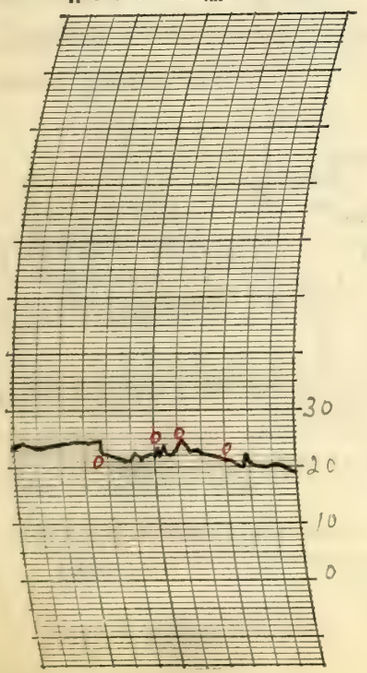
Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
26	20	23	

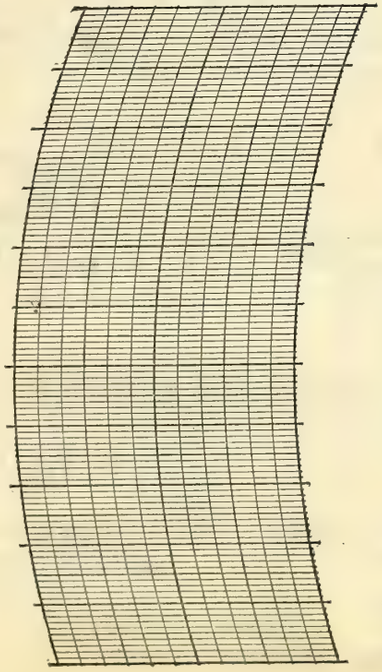
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0.6 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 6.2 Possible sunshine, hours, 9.5
Per cent of possible sunshine, 65
Prevailing wind direction, SW Total wind, 216
Average hourly velocity, 9.0 Extreme velocity, 15
Maximum velocity, 15 Direction, SW
Time began, 10:27 A
Reduced barometer, 29.96 7 a. m. 30.09 7 p. m
River gage, −0.5 feet
Relative humidity, 79 7 a. m. 75 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)
Dry temperature, 24.0 Wet temperature, 22.0
Dew-point, 18 R. humidity, 74 V. pressure, .093
Clouds: Amount, 8; Kind, Ci. St; Direction, SW
Velocity of clouds (miles per hour)

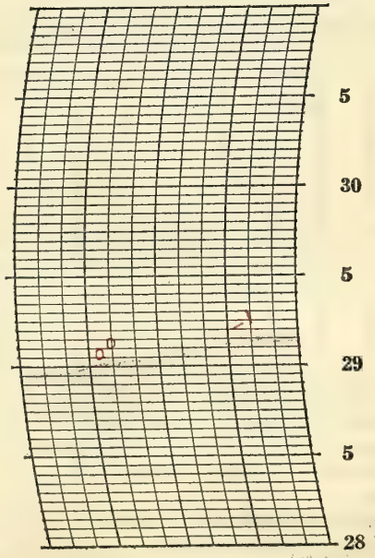
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. S.
Verified by E. L. H.

8—486

NOTES

A cloudy day with snow flurries from 10:30 A.M. throughout day. Temperature remained below freezing throughout day and streets and sidewalks were quite slippery.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JAN 14 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	20	17	16	17	18	19	21	22	22	21	21	21
State of weather: Nature of precipitation and time of beginning and ending	A. Sn 6:44	A. S. E. DR.								P. B. 9:00	A. S. E. 10:40	
Amounts of precipitation	T	T								T	T	
Cloudiness and other conditions							←	Cloudy				
Sunrise: Time, 7:04 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)								0	0	0.2	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	NW	NW	NW	NW	NW
Wind movement	6	5	4	5	5	2	4	8	14	13	13	14

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	21	22	22	22	20	19	19	19	19	19	19	20
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Pt cloudy									
Sunset: Time, 4:36 Character, Clear												
Moonset:												
Sunshine (in tenths of hours)	0.8	1.0	1.0	1.0	0.50 0.1							
Wind direction	NW	NW	N	NW	NW	NW	NW	NW	W	SW	SW	SW
Wind movement	15	16	17	13	9	6	5	5	5	3	3	5

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

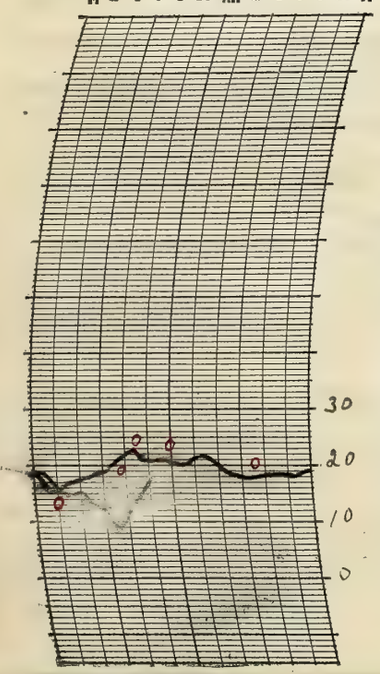
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
24	16	20	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0.6 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 12 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 6.6 Possible sunshine, hours, 9.5
Per cent of possible sunshine, 69
Prevailing wind direction, NW Total wind, 195
Average hourly velocity, 8.1 Extreme velocity, 23
Maximum velocity, 22 Direction, NW
Time began, 2:02 P
Reduced barometer, 30.15 7 a. m. 30.48 7 p. m.
River gage, -0.3 feet
Relative humidity, 78 7 a. m. 75 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 21.3 Wet temperature, 18.8
Dew-point, 12 R. humidity, 64 V. pressure, .070
Clouds: Amount, 8; Kind, A. St.; Direction, N
Velocity of clouds (miles per hour)

THERMOGRAPH



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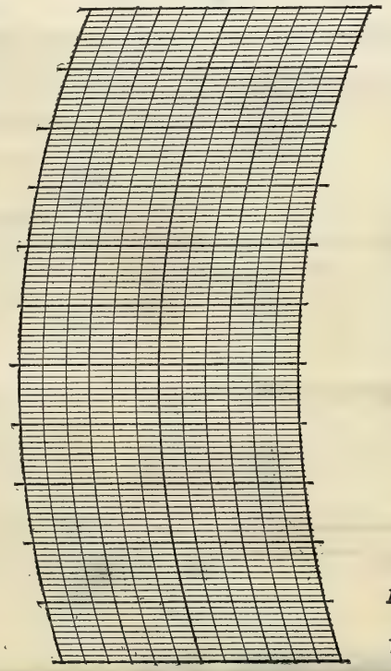
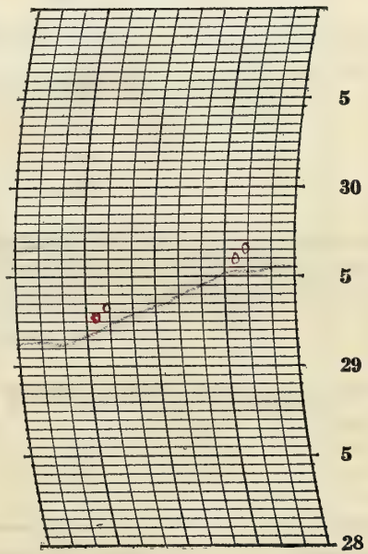


BAROGRAPH.



Prepared by J. S.

Verified by E.L.H

8—486

NOTES

A partly Cloudy day - Streets slippery around noon / The snow flurries were light. The sun shone through upper clouds a great Portion of the Day

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JAN 15 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	20	18	17	17	16	14	10	11	14	17	20	22
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions								← Clear			→ Pt. Cloudy	× Cloudy →
Sunshine (in tenths of hours)								0.1 (0.83)	1.0	1.0	1.0	1.0
Wind direction	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	6	5	5	6	3	4	3	5	6	8	8	9

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	25	26	26	26	24	23	22	23	26	26	27	27
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear						
Sunshine (in tenths of hours)	1.0	1.0	0.7	0	0							
Wind direction	S	SW	SW	S	S	S	S	S	S	S	SW	SW
Wind movement	11	9	9	10	12	10	10	11	13	12	13	10

Sunrise: Time, 7:04 Character, Clear

Moonrise: ____ ____

Sunset: Time, 4:37 Character, Cloudy

Moonset: ____ ____

Maximum velocities (exceeding 24 miles) direction and time ____

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts ____

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
27	10	18	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0.6 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase, ____

Average daily cloudiness (0-10), 5

Actual sunshine, hours, 7.6 Possible sunshine, hours, 9.6

Per cent of possible sunshine, 79

Prevailing wind direction, S.W. Total wind, 202

Average hourly velocity, 8.4 Extreme velocity, 16

Maximum velocity, 15 Direction, S.W.

Time began, 8:31 P

Reduced barometer, 30.60 7 a. m. 30.44 7 p. m.

River gage, — 0.5 Feet

Relative humidity, 74 7 a. m. 80 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

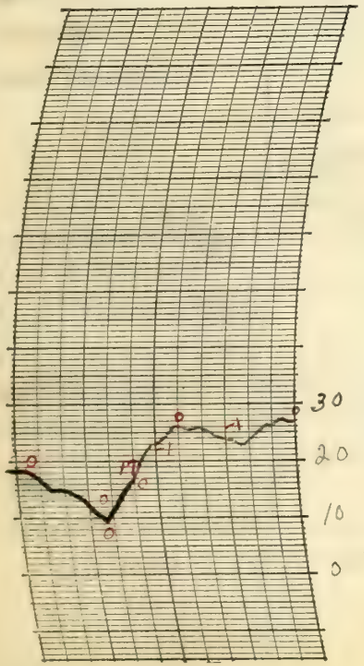
Dry temperature, 22.0 Wet temperature, 19.0

Dew-point, 11 R. humidity, 59 V. pressure, .066

Clouds: Amount, 4; Kind, Ci St.; Direction, W.

Velocity of clouds (miles per hour) ____

THERMOGRAPH



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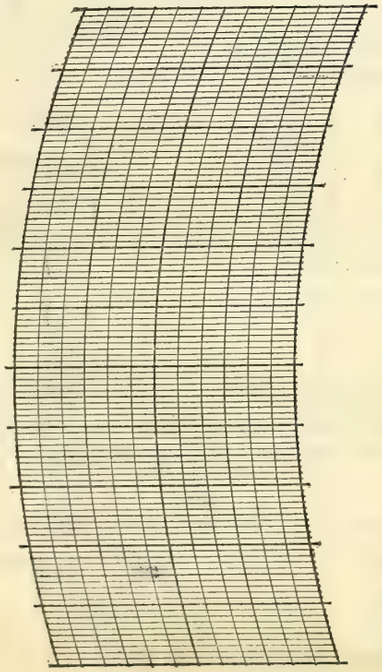
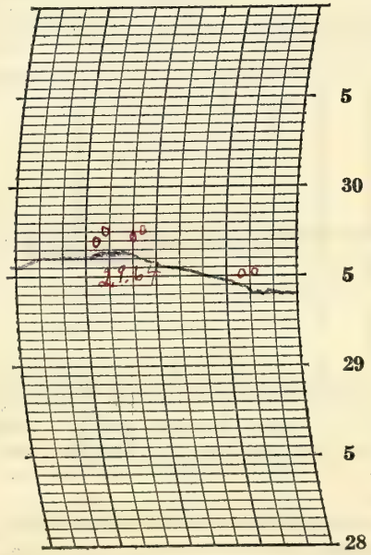


BAROGRAPH.



Prepared by L. S.

Verified by E. L. H.

8—486

NOTES

a rather cold windy day, mostly clear in the morning followed by partly cloudy in the afternoon. The clouds were high and thin and the sun shone through them until about 2:40 P.M. Clear again at night.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JAN 1 5 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	27	25	24	22	22	23	23	24	27	31	34	36
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							←					
Sunshine (in tenths of hours)								0.73 0.2	1.0	1.0	0.7	1.0
Wind direction	SW	SW	S	S	S	S	S	SW	SW	SW	SW	SW
Wind movement	10	8	8	11	10	10	12	11	13	13	12	15

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	37	37	37	34	34	33	32	32	31	30	29
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Clear							
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.55 0.1							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	15	17	16	13	14	12	11	12	13	12	10	11

Sunrise: Time, 7:04 Character, Clear
Moonrise: ——— ———

Sunset: Time, 4:39 Character, Clear
Moonset: ——— ———

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

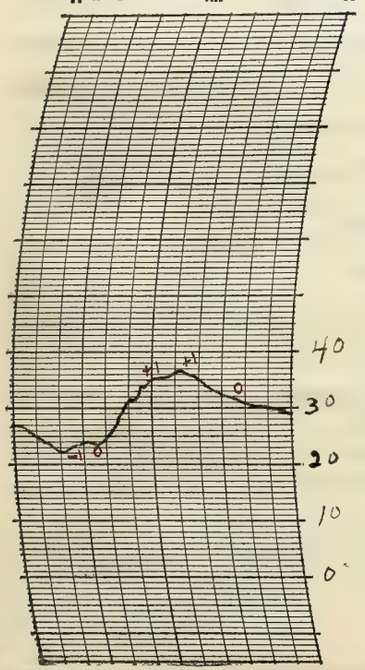
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
37	22	30	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 01 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 9.3 Possible sunshine, hours, 9.6
Per cent of possible sunshine, 97
Prevailing wind direction, SW Total wind, 289
Average hourly velocity, 12.0 Extreme velocity, 21
Maximum velocity, 20 Direction, SW
Time began, 2:47 P.M.
Reduced barometer, 30.27 7a. m. 30.13 7p. m.
River gage, + 0.5 feet
Relative humidity, 81 7a. m. 70 7p. m.

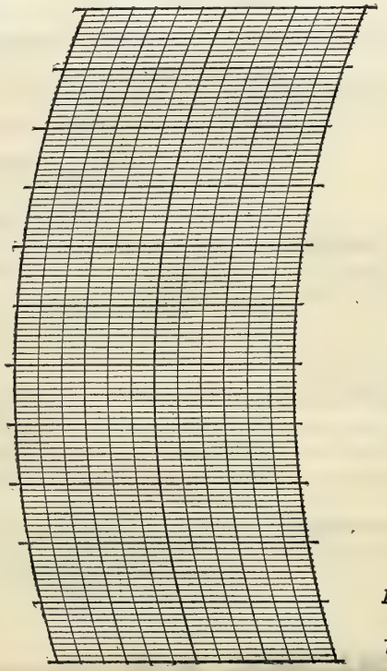
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 36.0 Wet temperature, 31.0
Dew-point, 23 R. humidity, 56 V. pressure, .118
Clouds: Amount, Few; Kind, St; Direction, SW
Velocity of clouds (miles per hour)

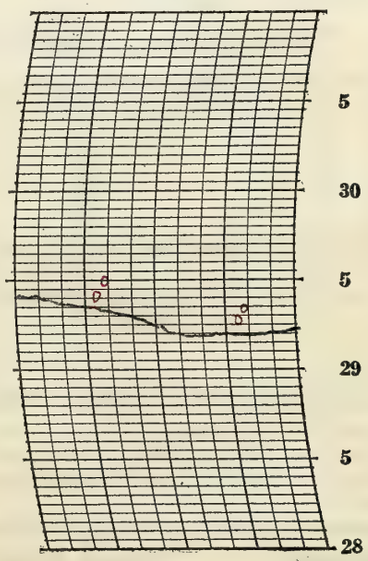
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.
Verified by E. L. H.

8—486

NOTES

a Clear, moderate and rather windy day. Clear at night

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JAN 17 1931, 193

Time (local standard) 90 mer. normal time.	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	28	27	26	26	25	24	24	24	25	29	33	38	40	41	41	42	41	40	38	37	35	32	32	31
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions												Clear												
Sunshine (in tenths of hours)								0.75 0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.67 0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	SW	SW	SW	SW	S	E	NE	NE	NE	E
Wind movement	9	9	6	7	7	6	7	6	7	6	5	5	5	5	5	3	2	2	2	1	4	4	5	6

Sunrise: Time, 7:03 Character, Clear
Moonrise: ——— ———
Sunset: Time, 4.40 Character, Clear
Moonset: ——— ———

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

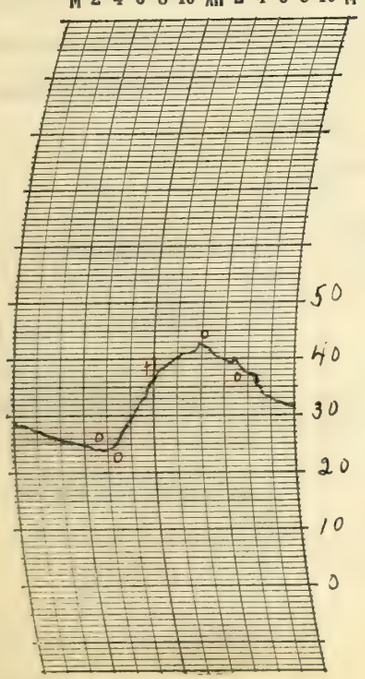
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
42	23	32	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ———
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 9.6 Possible sunshine, hours, 9.6
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind, 124
Average hourly velocity, 5.2 Extreme velocity, 10
Maximum velocity, 10 Direction, SW
Time began, 12:43 A.
Reduced barometer, 30.20 7 a. m. 30.20 7 p. m
River gage, −0.5 feet
Relative humidity, 81 7 a. m. 75 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 37.5 Wet temperature, 33.5
Dew-point, 28 R. humidity, 66 V. pressure, .150
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

THERMOGRAPH



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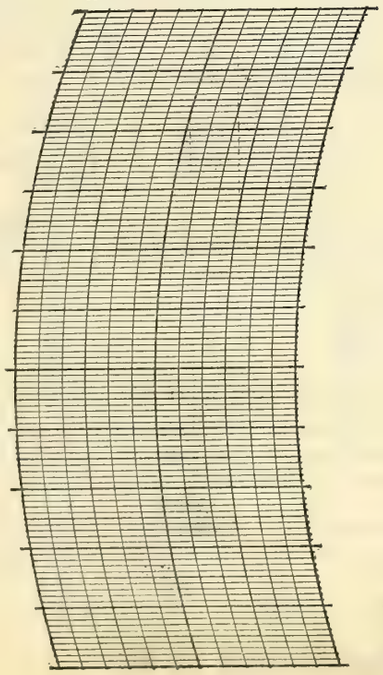
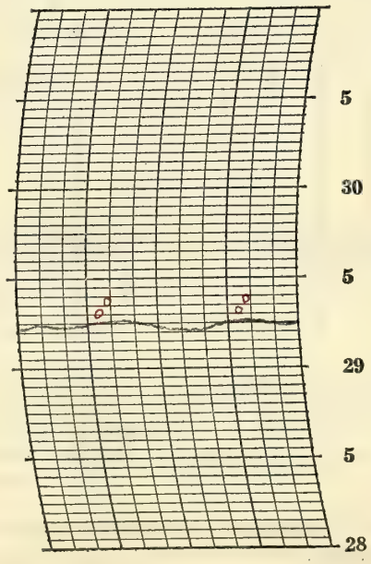


BAROGRAPH.



Prepared by L. C. S.
Verified by E. L. H.

8—486

NOTES

A clear warm beautiful day.
A light fog occurred at night and visibility was poor from 7:15 P.M. into the night.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JAN 18 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	31	31	30	30	30	30	30	31	32	33	33	34
State of weather: Nature of precipitation and time of beginning and ending							m S 6:05	9:		m S E 9:30 R B 9:30	R E 10:20	
Amounts of precipitation							T	T	T	T	T	
Cloudiness and other conditions						Cloudy						
Sunrise: Time, 7:03 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	E	NE	NE	E	E	E	E	E	E	E	E	E
Wind movement	3	3	4	6	5	5	5	7	7	6	6	8

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	35	36	36	36	36	36	35	35	35	35	35
State of weather: Nature of precipitation and time of beginning and ending					R B 4:45							R E 8:NP
Amounts of precipitation					T	T	T	.06	.05	.04	.01	T
Cloudiness and other conditions												
Sunset: Time, 4:41 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	E	E	E	E	E	E	E	E	NE	NE	E	E
Wind movement	7	8	10	8	8	8	6	6	6	6	5	3

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
36	30	33	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow, sleet, and hail on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, .16 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 9.6

Per cent of possible sunshine, 0

Prevailing wind direction, E Total wind, 146

Average hourly velocity, 6.1 Extreme velocity, 12

Maximum velocity, 12 Direction, E

Time began, 2:06 P.M.

Reduced barometer, 30.15 7 a. m. 29.88 7 p. m.

River gage, +0.7 feet

Relative humidity, 89 7 a. m. 91 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

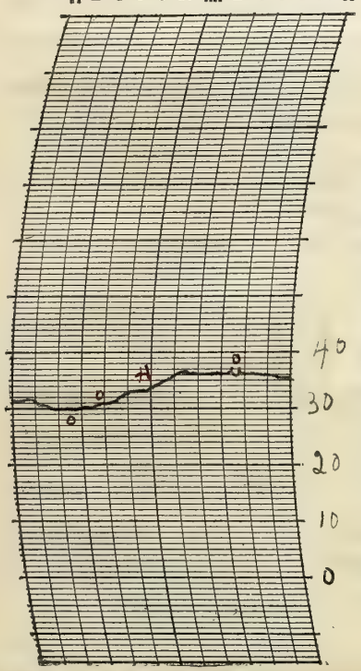
Dry temperature, 34.0 Wet temperature, 33.5

Dew-point, 33 R. humidity, 95 V. pressure, .187

Clouds: Amount, 10; Kind, St; Direction, E

Velocity of clouds (miles per hour)

THERMOGRAPH



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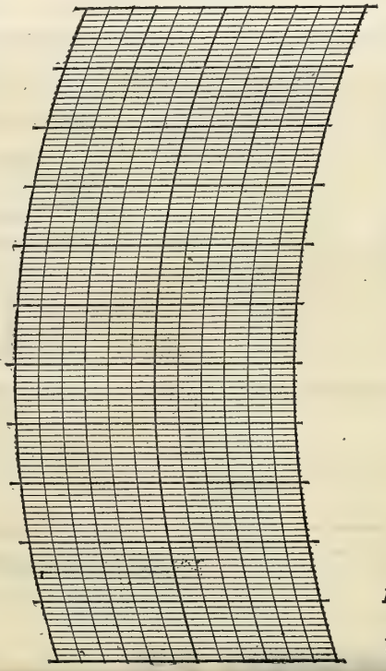
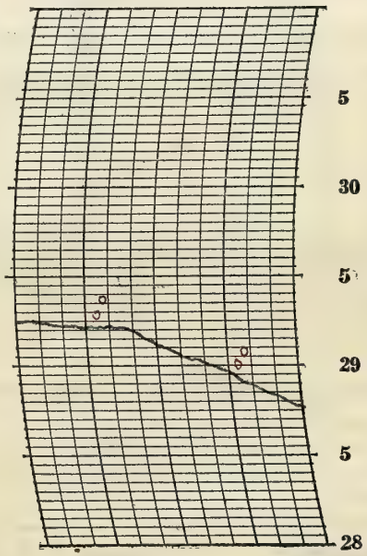


BAROGRAPH.



Prepared by L.C.S.

Verified by E.J.H

S—486

NOTES

A Cloudy Blustery day, With snow flurries in the early morning and some light rain in the afternoon a moderate rain occurred during the late afternoon and early evening.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JAN 19 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	36	36	37	37	36	35	33	33	32	31	31
State of weather: Nature of precipitation and time of beginning and ending							R.B. 6:10	RE 5:20A SM B 8:20				
Amounts of precipitation							T	T	T	T	T	T
Cloudiness and other conditions												Cloudy
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	E	E	S	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	1	4	6	7	12	11	11	14	15	15	16	16

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	30	30	30	30	30	30	30	30	29	29	29	29
State of weather: Nature of precipitation and time of beginning and ending		SDE 1:10P			SDB 4:10P			SDE 7:40P				
Amounts of precipitation		T			T	T	T	T				
Cloudiness and other conditions												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	SW	SW	SW	SW	W	W	SW	SW	SW	SW	W
Wind movement	20	20	20	17	16	14	12	14	12	12	11	10

Sunrise: Time, 7:02 Character, Cloudy
Moonrise:

Sunset: Time, 4:42 Character, Cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

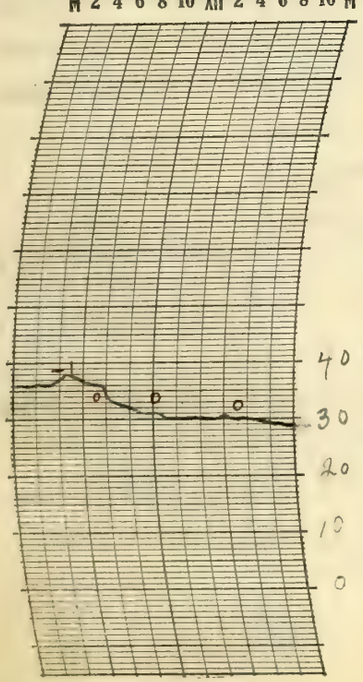
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
37	29	33	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m. 0.16 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.7
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind, 306
Average hourly velocity, 12.8 Extreme velocity, 28
Maximum velocity, 24 Direction, SW
Time began, 2:40 P
Reduced barometer, 29.667 a. m. 29.83 p. m.
River gage, -0.3 feet
Relative humidity, 91 a. m. 93 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 31.3 Wet temperature, 29.8
Dew-point, 27 R. humidity, 84 V. pressure, 143
Clouds: Amount, 10; Kind, St. Cu.; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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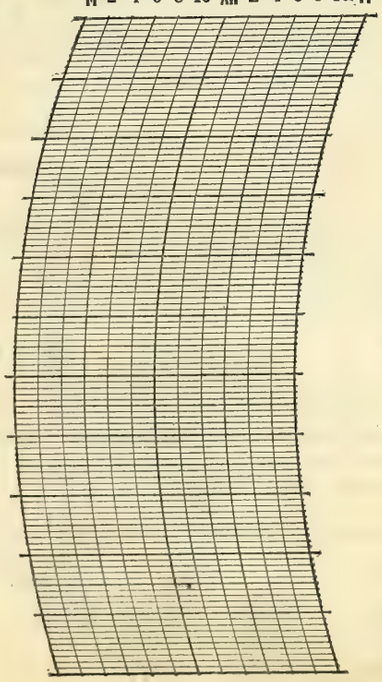

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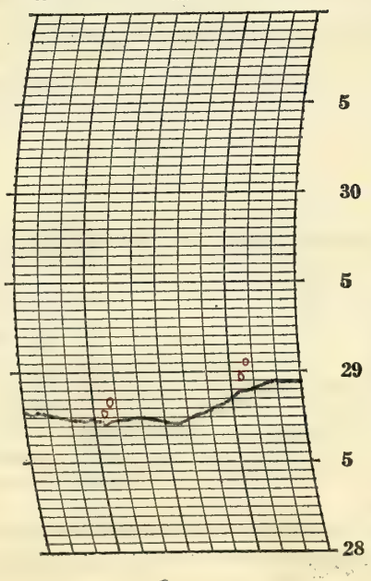


Prepared by T. C. S.

Verified by E. J. H.

8—486

NOTES

Cloudy blustery day. With slight occasional snow flurries. Cloudy at night. Streets became ice over about 2:00 P.M and very slippery all afternoon and at night.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JAN 20 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	29	28	27	26	27	27	27	26	25	26	27	26
State of weather: Nature of precipitation and time of beginning and ending				S 4 P.M.							S 10 E 11:02	S 3 B 12:30
Amounts of precipitation *				T	.01	.01	T	T	T	T	T	T
Cloudiness and other conditions							Cloudy					
Sunshine (in tenths of hours)								0	0.4	0.7	0.7	0.7
Wind direction	W	SW	SW	SW	SW	SW	SW	SW	W	W	SW	SW
Wind movement	8	5	6	7	7	4	5	8	9	10	15	13

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	25	25	23	21	17	16	15	14	13	13	14	14
State of weather: Nature of precipitation and time of beginning and ending					S 10 E 4:05		S 8 B 6:20 S 8 E 6:25					
Amounts of precipitation *	.01	T	T	.01	T		T					
Cloudiness and other conditions												
Sunshine (in tenths of hours)	0	0	0	0.2	0							
Wind direction	SW	SW	SW	SW	SW	W	W	W	W	SW	SW	SW
Wind movement	15	13	16	17	18	14	13	17	11	11	11	12

Sunrise: Time, 7:01 Character, Cloudy
Moonrise:

Sunset: Time, 4:43 Character, Cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

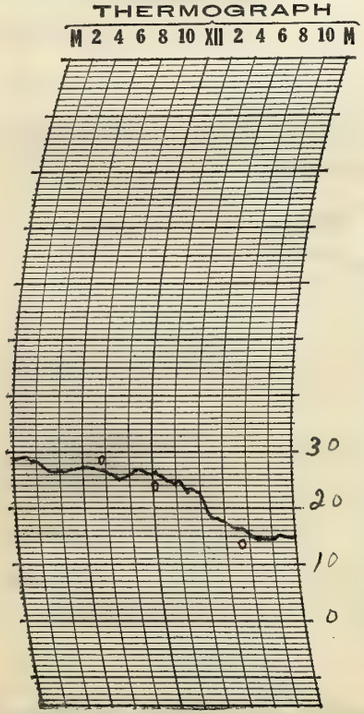
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
29	13	21	

Total depth of snow for 24 hours ending 7 p. m., 0.8 inches.
Snow, sleet, and hail on ground 7 p. m., 0.8 inches.
Total snowfall, midnight to midnight, 0.8 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., .02 ins.
Total precipitation, midnight to midnight, .04 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 2.7 Possible sunshine, hours, 9.7
Per cent of possible sunshine, 28
Prevailing wind direction, SW Total wind, 265
Average hourly velocity, 11.0 Extreme velocity, 25
Maximum velocity, 22 Direction, SW
Time began, 4:10 P
Reduced barometer, 29.81 7 a. m. 29.83 7 p. m.
River gage, +0.3 feet
Relative humidity, 94 7 a. m. 75 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 26.0 Wet temperature, 24.0
Dew-point, 20 R. humidity, 75 V. pressure, .103
Clouds: Amount, 10; Kind, St; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH



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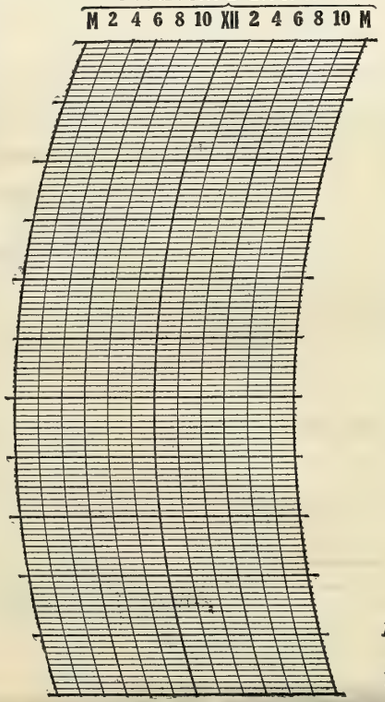
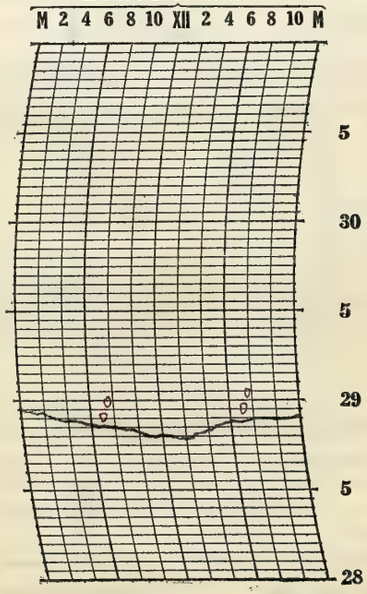


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

NOTES

*Hourly amounts estimated.
Cloudy day with snow flurries.
The snow flurry about 3:30 P.M. was very heavy and ceilings and visibility were cut down to zero. Ceilings and visibility became much better after five P.M.
Streets and sidewalks remained very slippery.

3—426

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JAN 21 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	15	15	14	15	15	16	16	13	15	16	17	18
State of weather: Nature of precipitation and time of beginning and ending						S^D B 5:20	S^D E 6:35					S^D B 11:43
Amounts of precipitation						T	T					T
Cloudiness and other conditions						Cloudy		Pt Cloudy			Clear	4
Sunrise: Time, Character, 7:01 Cloudy												
Moonrise:												
Sunshine (in tenths of hours)								0	0.8	1.0	1.0	1.0
Wind direction	SW	W	SW	W	W	NW	NW	N	N	N	W	W
Wind movement	13	12	1	1	11	10	10	8	5	3	7	7
Maximum velocities (exceeding ___ miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	18	19	19	20	20	19	19	19	19	20	20	20
State of weather: Nature of precipitation and time of beginning and ending			S^D E 3:00									
Amounts of precipitation	T	T	T									
Cloudiness and other conditions		Pt Cloudy					Clear		Cloudy			
Sunset: Time, Character, 7:44 Cloudy												
Moonset:												
Sunshine (in tenths of hours)	1.0	0.3	0.2	0.4	0.1							
Wind direction	W	W	SW	SW	SW	SW	SW	SW	SW	S	S	SE
Wind movement	8	9	5	5	6	5	5	3	4	4	4	5
Maximum velocities (exceeding ___ miles) direction and time												

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
20	13	16	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0.6 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 5.8 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 60
Prevailing wind direction, SW Total wind, 171
Average hourly velocity, 7.1 Extreme velocity, 16
Maximum velocity, 14 Direction, W
Time began, 12:37 A.
Reduced barometer, 30.08 7 a. m. 30.20 7 p. m.
River gage, −0.3 feet
Relative humidity, 73 7 a. m. 62 7 p. m.

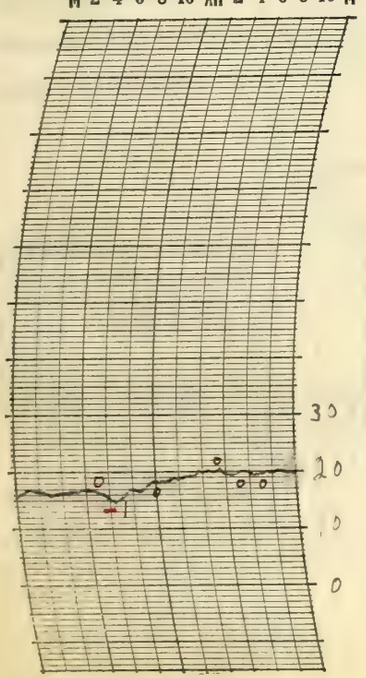
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

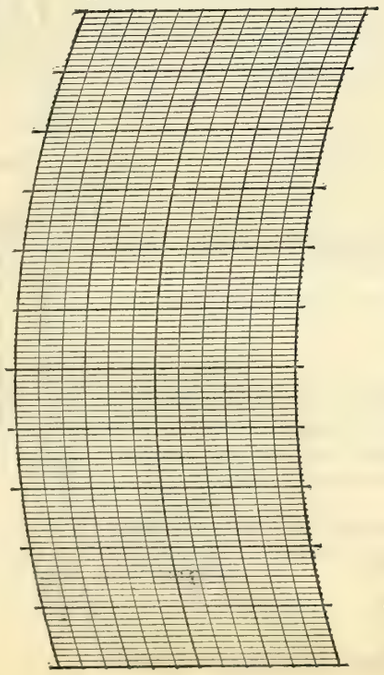
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 18.0 Wet temperature, 14.8
Dew-point, 4 R. humidity, 50 V. pressure, .047
Clouds: Amount, 8; Kind, St. Cu.; Direction, N
Velocity of clouds (miles per hour)

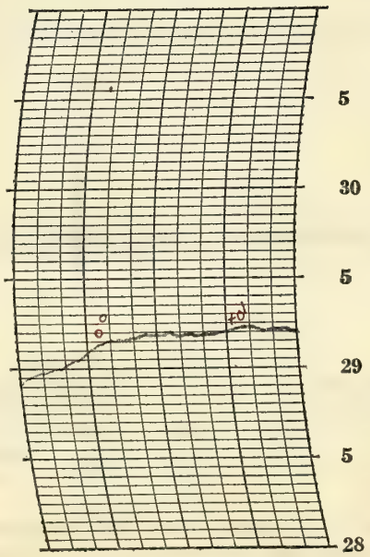
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by G. L. H.

8—486

NOTES

a part cloudy morning followed by a few snow flakes at times during the afternoon.
However, during the time the flakes fell there were times the sun shone through broken clouds.
Mostly clear at night.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JAN 22 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	20	20	21	21	22	22	23	23	24	26	28	29	30	31	31	31	30	30	29	28	[illegible]	25	25	25
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←		Cloudy			→	Pt Cloudy						←	Clear	→			
Sunshine (in tenths of hours)								0	0.1	0.7	0	0	0.7	0.2	0	0	0							
Wind direction	SE	SE	SE	SE	SE	SE	SE	SE	SE	S	S	SW	SW	SW	SW	W	W	W	W	W	W	W	W	W
Wind movement	5	5	5	6	5	6	5	7	8	5	6	5	4	4	6	5	5	5	4	4	4	6	3	4
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 7:00 Character, Cloudy
Moonrise:

Sunset: Time, 4:46 Character, Cloudy
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

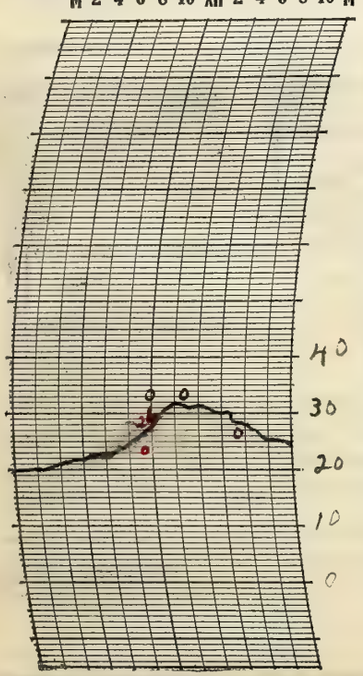
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
31	20	26	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0.6 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 1.7 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 17
Prevailing wind direction, SE & W Total wind, 122
Average hourly velocity, 5.1 Extreme velocity, 8
Maximum velocity, 8 Direction, SE
Time began, 8:07 A
Reduced barometer, 30.14 7 a. m. 30.24 7 p. m.
River gage, + 0.5 feet
Relative humidity, 60 7 a. m. 83 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 28.6 Wet temperature, 25.1
Dew-point, 18 R. humidity, 61 V. pressure, .093
Clouds: Amount, 10; Kind, St; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH



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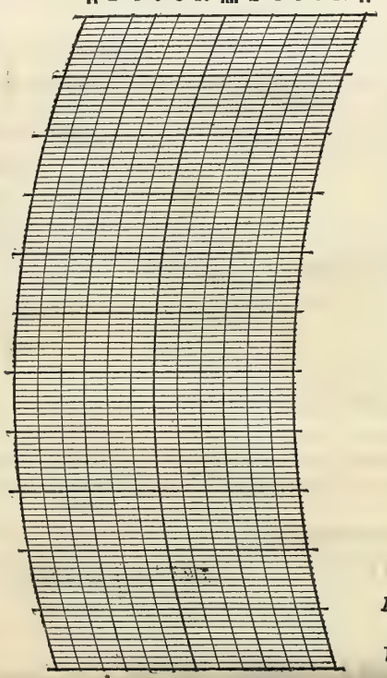

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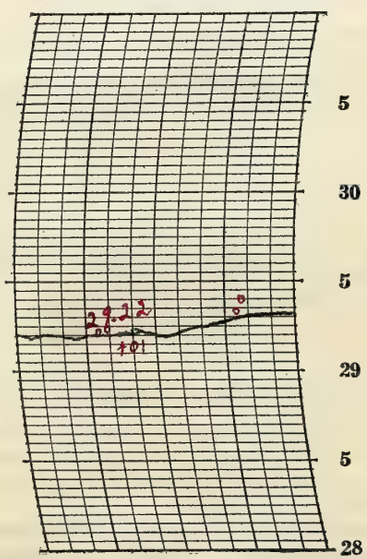


Prepared by L. C. S.
E. L. H.

Verified by

8—486

NOTES

A cloudy and rather cold day. The streets and sidewalks continued slippery in spots but as a general rule are in good condition. Flying conditions were favorable throughout the day.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JAN 23 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	23	23	22	22	22	20	21	22	25	26	28	30
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions								Cloudy		Pt Cl		
Sunshine (in tenths of hours)							0	0	0	0	0.4	1.0
Wind direction	W	W	W	W	W	W	W	W	W	W	SW	S
Wind movement	4	3	4	4	3	4	3	2	2	2	5	6
Maximum velocities (exceeding 24 miles) direction and time												

Sunrise: Time, 6:59 Character, Cloudy. Moonrise:

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	35	36	36	36	35	35	35	35	35	35	35
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Pt Cloudy		Cloudy			Clear				
Sunshine (in tenths of hours)	1.0	1.0	0.8	0	0							
Wind direction	S	S	SE	SE	SE	SE	SE	E	SE	SE	S	SE
Wind movement	6	5	4	5	5	6	5	6	7	7	6	5

Sunset: Time, 4:47 Character, Cloudy. Moonset:

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
36	20	28	

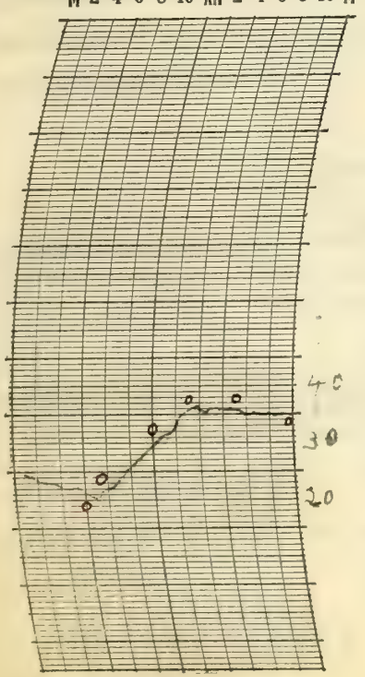
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 4.2 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 43
Prevailing wind direction, W Total wind, 109
Average hourly velocity, 4.5 Extreme velocity, 9
Maximum velocity, 9 Direction, S
Time began, 10:17 P
Reduced barometer, 30.32 7 a. m. 30.24 7 p. m.
River gage, +0.3 Feet
Relative humidity, 89 7 a. m. 77 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
						Accumulated depths during excessive rate, for consecutive periods of time indicated below.													
Excessive precipitation, accumulated amounts																			

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 30.0 Wet temperature, 29.0
Dew-point, 27 R. humidity, 89 V. pressure, 1.43
Clouds: Amount, 4 3; Kind, A Cu. Strat.; Direction, SW SW
Velocity of clouds (miles per hour)

THERMOGRAPH



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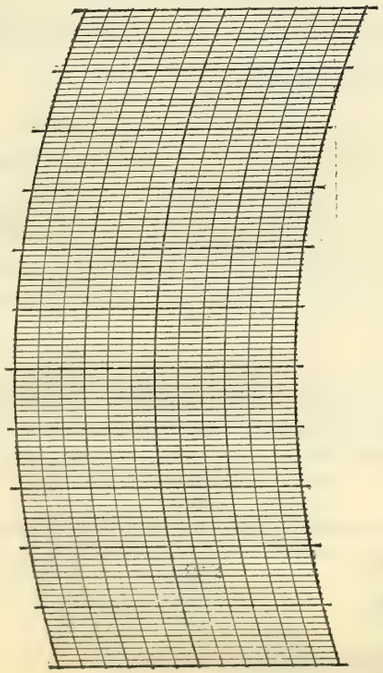
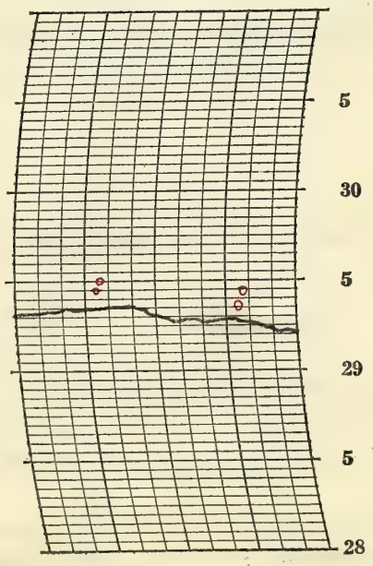


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

Visibility poor from 7:15 to 10:20 A.M. caused by light fog.
Visibility cleared up after 10:30 and remainder of the day was favorable for flying.
Mostly clear at night

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JAN 24 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	35	35	35	35	36	37	37	40	45	48	50	52	54	54	54	51	48	47	46	44	44	45	46
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←				Clear									→				
Sunshine (in tenths of hours)							.02 0	0.9 0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.20 0.4							
Wind direction	SE	SE	S	S	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	SW	SW	SW
Wind movement	4	7	8	9	9	10	11	8	9	9	9	10	11	11	10	9	9	9	9	11	10	10	11	11
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 6:59 Character, Clear
Moonrise:
Sunset: Time, 4:48 Character, Cloudy
Moonset:

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

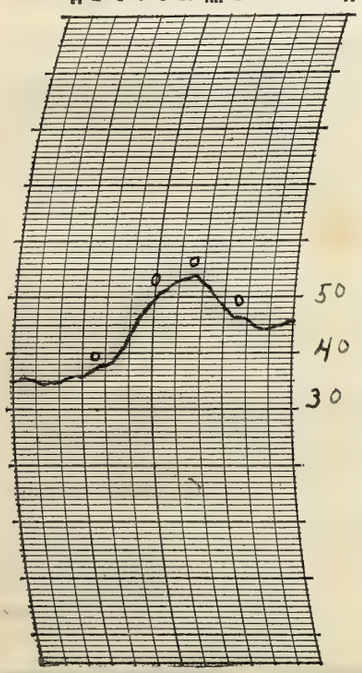
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
54	35	44	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 9.6 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 98
Prevailing wind direction, SW Total wind, 224
Average hourly velocity, 9.3 Extreme velocity, 13
Maximum velocity, 13 Direction, SW
Time began, 12:13 P
Reduced barometer, 30.12 7a. m. 30.08 7p. m.
River gage, -0.5 feet
Relative humidity, 82 7a. m. 66 7p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 49.5 Wet temperature, 43.0
Dew-point, 36 R. humidity, 58 V. pressure, .211
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

THERMOGRAPH



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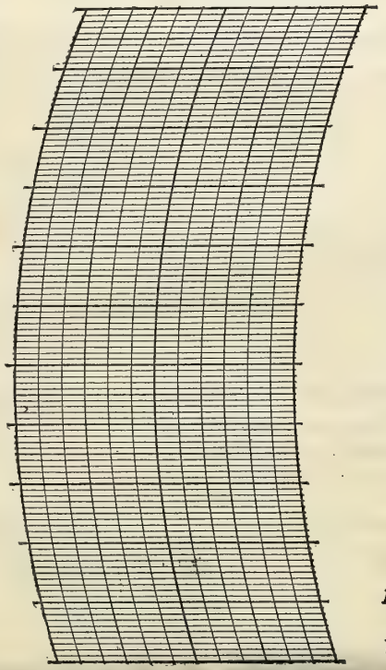
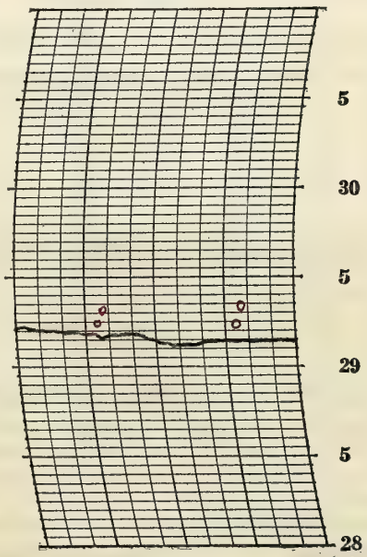


BAROGRAPH.



Prepared by L. C. S.
Verified by P. P. H.

NOTES

a mostly clear warm beautiful
Clear also at night
Very good flying conditions

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JAN 25 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	46	45	44	45	44	43	45	46	47	48	49	51
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Pt Cloudy					
Sunshine (in tenths of hours)							.03 0	0.6 0.1	0.9	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	10	12	11	13	14	11	10	13	13	15	16	20

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	53	53	52	51	48	44	40	36	35	35	34	34
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear			Cloudy					Clear			
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.8	0							
Wind direction	SW	SW	SW	SW	W	W	NW	W	W	W	W	W
Wind movement	17	17	14	12	10	10	10	12	12	8	8	9

Sunrise: Time, 6:58 Character, Clear
Moonrise:

Sunset: Time, 4:49 Character, Cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

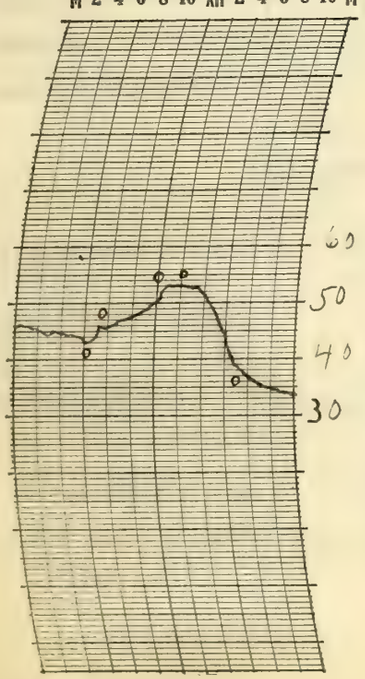
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
53	34	44	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 8.4 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 86
Prevailing wind direction, SW Total wind, 297
Average hourly velocity, 12.4 Extreme velocity, 24
Maximum velocity, 24 Direction, SW
Time began, 11:42 A.
Reduced barometer, 30.04 7 a. m. 30.13 7 p. m.
River gage, +0.5 feet
Relative humidity, 81 7 a. m. 84 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 51.0 Wet temperature, 46.5
Dew-point, 42 R. humidity, 72 V. pressure, 26.6
Clouds: Amount, 2/3; Kind, Ci St; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH



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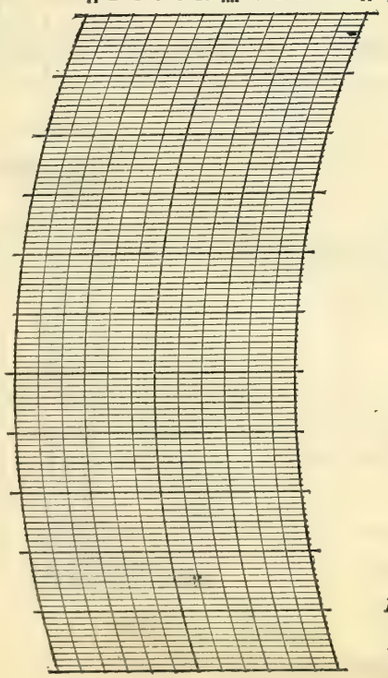
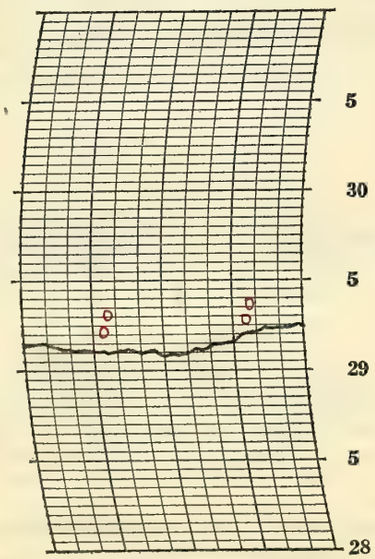


BAROGRAPH.



Prepared by L. C. S.

Verified by G. J. H.

8—486

NOTES

A warm Partly cloudy beautiful day.
Cloudy for a time at night but clear after 9:00 P.M.
Good visibility

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JAN 26 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	34	33	32	32	32	31	31	31	35	37	39	42	44	45	46	44	41	40	38	36	36	35	35
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Cloudy	Partly Cloudy				Clear	→											
Sunshine (in tenths of hours)							0	0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.25 0.6							
Wind direction	W	W	NW	NW	NW	NW	NW	NW	NW	NW	SW	SW	SW	SW	SW	S	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	8	7	7	6	3	3	1	2	3	4	6	6	6	7	7	8	6	6	9	8	7	9	10	9
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 6:57 Character, Cloudy
Moonrise:
Sunset: Time, 4:51 Character, Clear
Moonset:

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

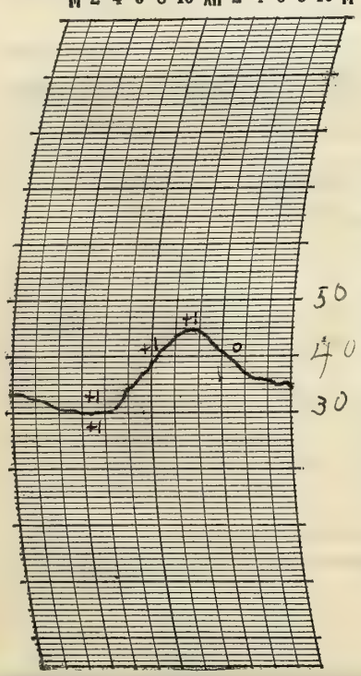
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
46	31	38	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 8.2 Possible sunshine, hours, 9.9
Per cent of possible sunshine, 83
Prevailing wind direction, SW Total wind, 148
Average hourly velocity, 6.2 Extreme velocity, 11
Maximum velocity, 11 Direction, SW
Time began, 10:18 P
Reduced barometer, 30.227 a. m. 30.05 p. m.
River gage, +0.6 feet
Relative humidity, 74 7 a. m. 64 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 39.0 Wet temperature, 34.5
Dew-point, 28 R. humidity, 64 V. pressure, .150
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

THERMOGRAPH



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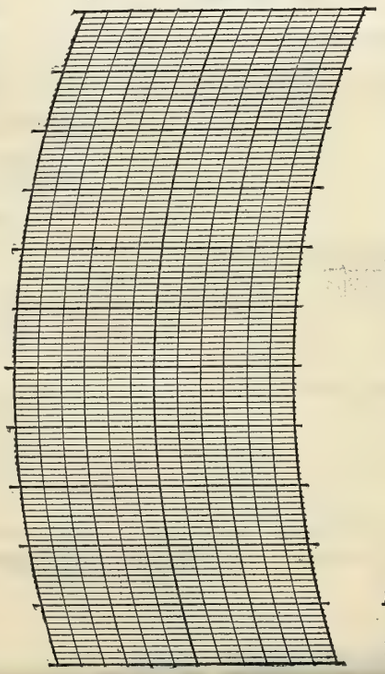
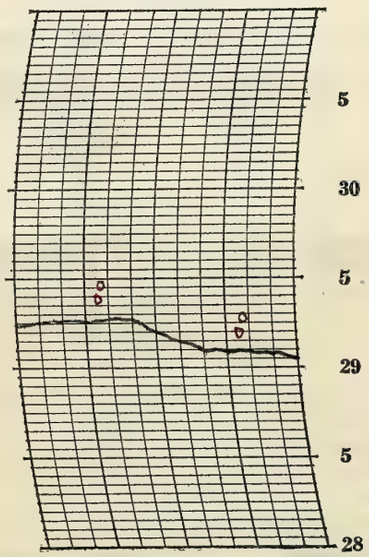


BAROGRAPH.



Prepared by L. C. S.

Verified by

NOTES

Clear sky after 8:30 A.M.
Another warm, spring like day

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JAN 27 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	34	34	33	33	32	33	33	35	38	40	42
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Clear	X	Cloudy	→ X	—	—
Sunshine (in tenths of hours)							.07 0	0.8 0.2	0.9	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	8	10	9	8	9	10	8	9	12	13	12	13

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	45	45	45	43	39	38	38	35	35	35	34
State of weather: Nature of precipitation and time of beginning and ending								a R 7.05 P b R 7.40 P				
Amounts of precipitation								T				
Cloudiness and other conditions	Pt Cloudy	—	X	—	Cloudy	→						
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.4	0							
Wind direction	SW	SW	SW	W	W	W	NW	NW	NW	NW	N	NW
Wind movement	14	14	16	12	13	14	15	10	13	10	9	8

Sunrise: Time, 6:56 Character, Clear
Moonrise:
Sunset: Time, 4:52 Character, Cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

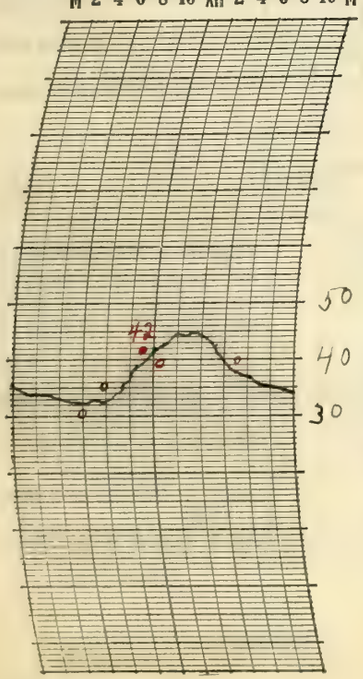
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
45	32	38	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 8.4 Possible sunshine, hours, 9.9
Per cent of possible sunshine, 85
Prevailing wind direction, SW Total wind, 269
Average hourly velocity, 11.2 Extreme velocity, 20
Maximum velocity, 19 Direction, SW
Time began, 6:01 P
Reduced barometer, 29.96 7 a. m. 30.09 7 p. m.
River gage, +0.6 Feet
Relative humidity, 85 7 a. m. 83 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 41.5 Wet temperature, 38.0
Dew-point, 34 R. humidity, 73 V. pressure, .195
Clouds: Amount, 4; Kind, a Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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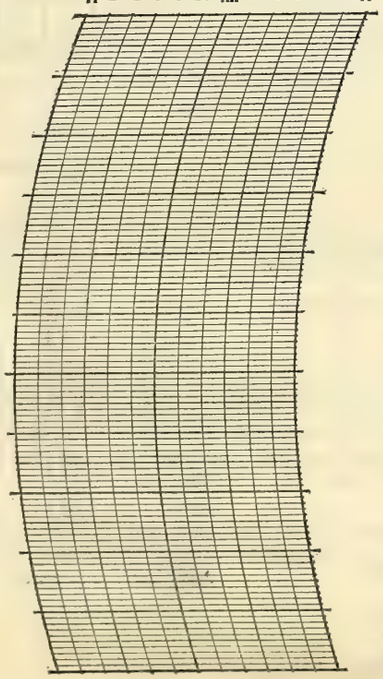
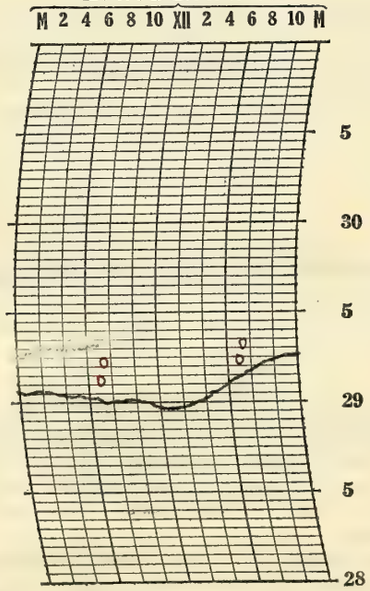


BAROGRAPH.



Prepared by L. C. S.

Verified by E. S. H.

8—486

NOTES

A partly cloudy to cloudy day. Mostly high clouds with sunshine through broken sky most of the day. Cloudy at night with very light mist in early evening. Streets were not wet or slippery.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JAN 28 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	31	30	28	28	26	26	25	26	30	31	32
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Clear			Pc Cloudy →		
Sunshine (in tenths of hours)							.08 0	0.7 0.3	0	0	0	0
Wind direction	NW	NW	NW	NW	W	W	NW	W	SW	SW	SW	S
Wind movement	9	8	7	5	4	4	4	4	4	4	7	9

Sunrise: Time, 6:55 Character, Clear. Moonrise:

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	34	35	35	36	35	36	36	37	37	39	40
Nature of precipitation and time of beginning and ending				S^P B 3:08P; P E 3:30P				R^B 7:15P	R^E 8:10P; S^M B 8:10P; S^M E 8:45P			
Amounts of precipitation				T				T	T			
Cloudiness and other conditions			Cloudy						→			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	SW	SW	SW	S	S	S	S	SW	SW	SW	SW
Wind movement	8	11	9	7	9	12	12	11	12	11	13	12

Sunset: Time, 4:53 Character, Cloudy. Moonset:

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
40	25	32	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 1.1 Possible sunshine, hours, 10.0
Per cent of possible sunshine, 11
Prevailing wind direction, SW Total wind, 196
Average hourly velocity, 8.2 Extreme velocity, 16
Maximum velocity, 15 Direction, SW
Time began, 10.01 P
Reduced barometer, 30.28 7 a. m. 29.98 7 p. m.
River gage, +0.8 feet
Relative humidity, 73 7 a. m. 82 7 p. m.

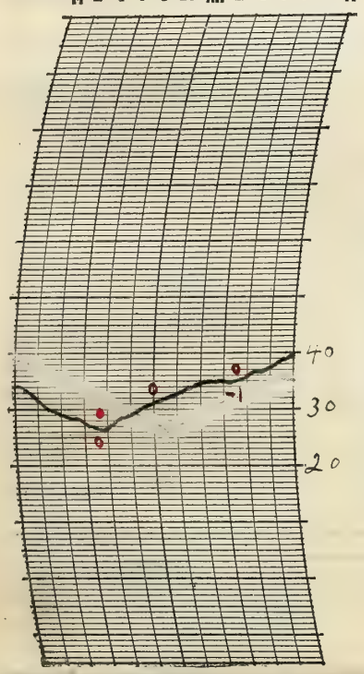
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 31.5 Wet temperature, 29.5
Dew-point, 26 R. humidity, 79 V. pressure, .136
Clouds: Amount, 10; Kind, St; Direction, S
Velocity of clouds (miles per hour)

THERMOGRAPH



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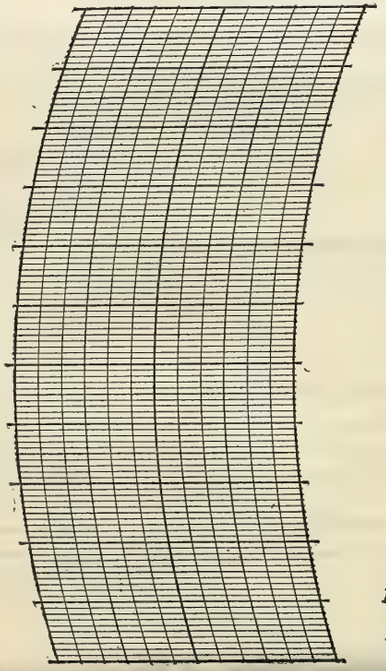
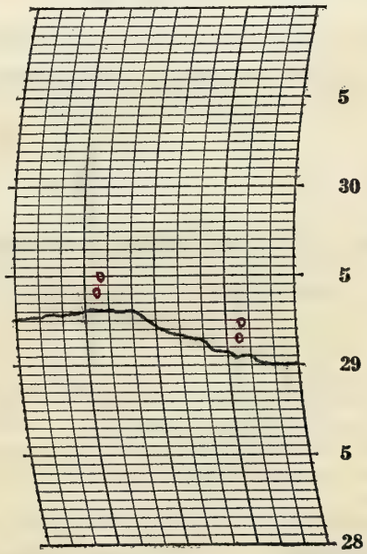


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

S—486

NOTES

A mostly cloudy day threatening at times. The light precipitation in the morning was hardly enough to wet the streets.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JAN 29 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	39	39	38	37	36	35	35	34	33	31	32	35	35	35	34	34	34	33	33	33	33	33	33	34
State of weather: Nature of precipitation and time of beginning and ending							Rs 6:25A Re 6:35A																	
Amounts of precipitation							T																	
Cloudiness and other conditions							Cloudy			Pt Cloudy			Cloudy											
Sunshine (in tenths of hours)							0	0	0	0	0.5	1.0	0	0	0	0	0							
Wind direction	W	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	W	W	SW	SW	SW	S	S	S	S
Wind movement	14	21	19	18	13	17	14	17	17	17	15	17	15	13	9	7	5	6	5	5	8	7	9	9
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 6:55 Character, Cloudy
Moonrise:

Sunset: Time, 4:54 Character, Cloudy
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

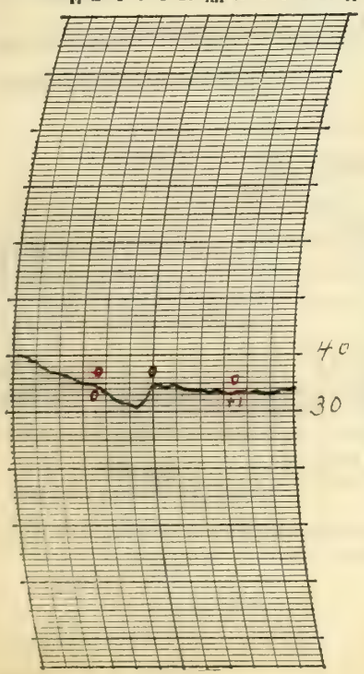
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
40	31	36	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 1.5 Possible sunshine, hours, 10.0
Per cent of possible sunshine, 15
Prevailing wind direction, NW Total wind, 297
Average hourly velocity, 12.4 Extreme velocity, 25
Maximum velocity, 24 Direction, NW
Time began, 1:24 A
Reduced barometer, 30.10 7 a. m. 30.17 7 p. m
River gage, 0.8 feet
Relative humidity, 80 7 a. m. 90 7 p. m.

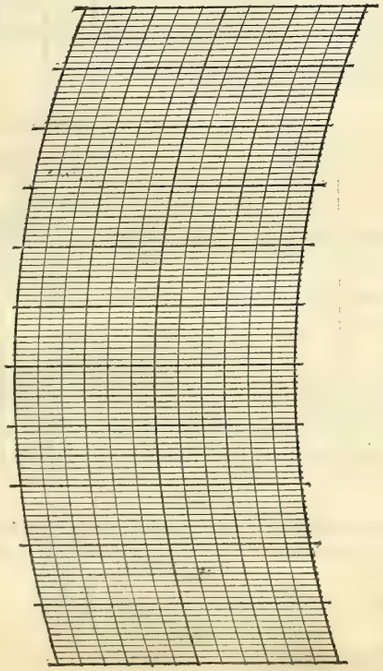
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 35.0 Wet temperature, 31.5
Dew-point, 26 R. humidity, 68 V. pressure, 136
Clouds: Amount, 8; Kind, a St; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH



THERMOGRAPH



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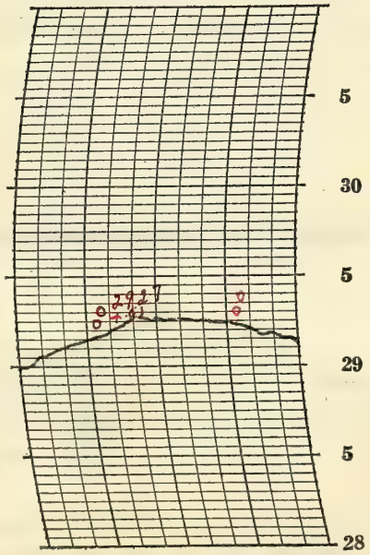


Prepared by I. C. S.

Verified by E. L. H.

8—486

NOTES

a mostly cloudy day. However the sun shone through broken clouds. Rather high winds and good visibility prevailed all day.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JAN 30 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	34	34	34	34	34	35	36	38	42	44	47	49	50	42	41	40	40	40	40	39	39	37	36
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← CLEAR	X	PCLOUDY	X	CLEAR →		PCLOUDY				CLOUDY				→			
Sunshine (in tenths of hours)							.10 0	0.8 0.2	0.8	1.0	1.0	1.0	1.0	0.9	0	0	0							
Wind direction	SW	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	W	W	W	W	W	W	W	W	W	W	NW	NW
Wind movement	10	12	15	15	15	14	15	15	15	16	18	17	20	22	27	24	20	19	18	18	18	16	14	15
Maximum velocities (exceeding 24 miles) direction and time														27 W 1:16	34 NW 2:13	27 W 3:24								

Sunrise: Time, 6:54 Character, Clear
Moonrise:

Sunset: Time, 4:55 Character, Cloudy
Moonset:

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

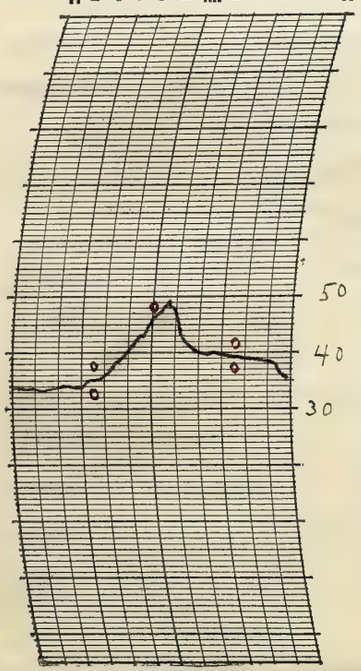
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
50	34	42	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 6.8 Possible sunshine, hours, 10.0
Per cent of possible sunshine, 68
Prevailing wind direction, W Total wind, 408
Average hourly velocity, 17 Extreme velocity, 48
Maximum velocity, 34 Direction, NW
Time began, 2:13 P
Reduced barometer, 29.722 a. m. 29.755 p. m.
River gage, +1.1 feet
Relative humidity, 77 7 a. m. 72 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 47.0 Wet temperature, 41.5
Dew-point, 35 R. humidity, 63 V. pressure, 203
Clouds: Amount, 3; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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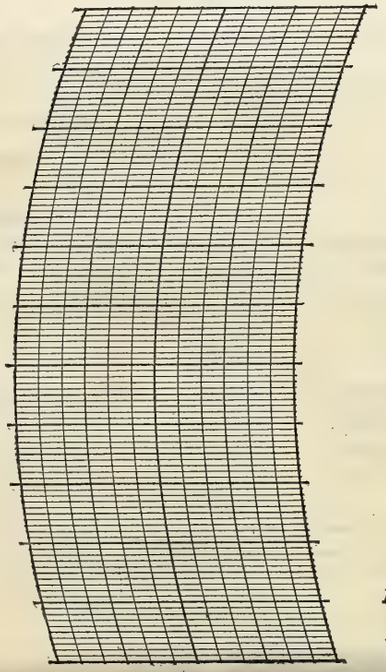
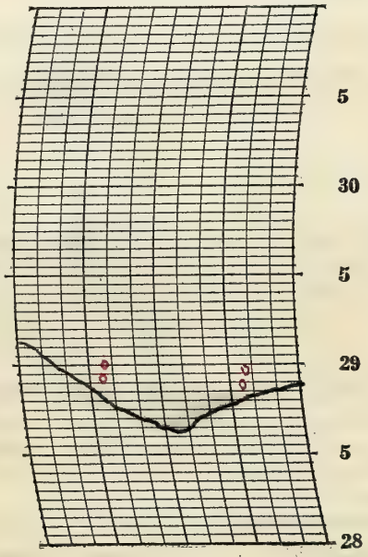


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

a mostly clear morning followed by cloudy weather and strong winds in the afternoon.
No damage was reported from the wind storm.
Streets dry and free of ice and snow. Visibility good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JAN 31 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	34	33	33	33	33	32	32	31	32	31	32	32	32	33	32	31	31	30	30	30	29	29	29
State of weather: Nature of precipitation and time of beginning and ending							R B 6:30 R E 6:35		S M B 8:20								S M E 4:35							
Amounts of precipitation							T		T	T	T	T	T	T	T	T	T							
Cloudiness and other conditions						←						cloudy										→		
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0							
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	W	NW	W	W	NW	NW	NW	NW
Wind movement	11	11	9	11	11	10	9	8	8	7	9	9	9	11	10	11	9	8	7	8	11	14	11	10
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 6:53 Character, Cloudy
Moonrise:
Sunset: Time, 4:57 Character, Cloudy
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

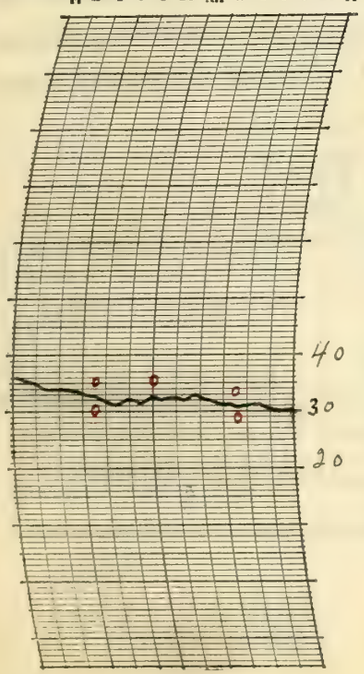
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
36	29	32	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.1
Per cent of possible sunshine, 0
Prevailing wind direction, NW Total wind, 232
Average hourly velocity, 9.7 Extreme velocity, 17
Maximum velocity, 17 Direction, NW
Time began, 9:25 P.M.
Reduced barometer, 29.95 7 a. m. 30.13 7 p. m.
River gage, 0.8 Feet
Relative humidity, 77 7 a. m. 89 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 32.0 Wet temperature, 30.0
Dew-point, 27 R. humidity, 79 V. pressure, .143
Clouds: Amount, 10; Kind, St cu; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH



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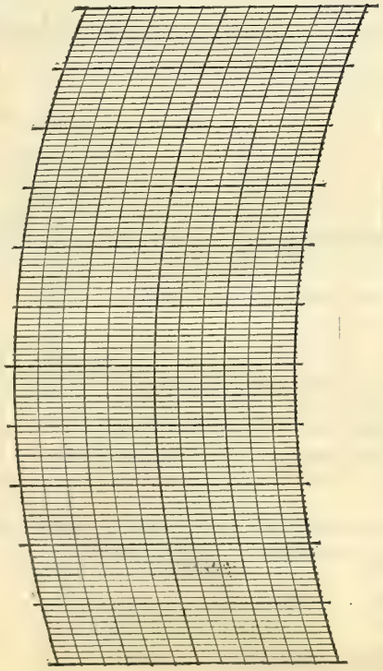
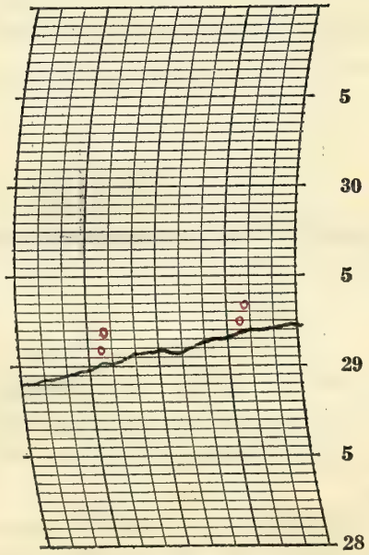


BAROGRAPH.



Prepared by L. C. S.

Verified by E. S. H.

8—486

NOTES

A very cloudy day with light snow flurries from middle morning to late afternoon. Snow was very light and streets and sidewalks remained

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) FEB 1 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	29	29	29	28	28	28	28	28	29	30	32	34	36	37	38	37	37	36	37	36	36	36	36	35
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Cloudy				Pt Cloudy						← Cloudy							
Sunshine (in tenths of hours)							0	0	0	0.7	1.0	1.0	1.0	1.0	1.0	0.4	0							
Wind direction	NW	NW	NW	NW	NW	NW	NW	SW	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	9	8	7	6	4	3	2	4	5	10	10	11	12	14	14	12	13	11	11	12	12	12	11	12
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 6:52 Character, Cloudy

Moonrise:

Sunset: Time, 4:58 Character, Cloudy

Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
38	28	33	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10), 6

Actual sunshine, hours, 6.1 Possible sunshine, hours, 10.1

Per cent of possible sunshine, 60

Prevailing wind direction, SW Total wind, 225

Average hourly velocity, 9.4 Extreme velocity, 18

Maximum velocity, 17 Direction, SW

Time began, 2:29 P

Reduced barometer, 30.20 7 a. m. 30.02 7 p. m.

River gage, +0.3 feet

Relative humidity, 75 7 a. m. 68 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

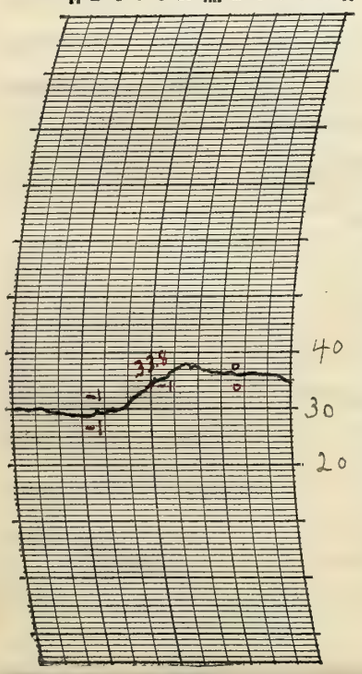
Dry temperature, 33.8 Wet temperature, 28.3

Dew-point, 18 R. humidity, 49 V. pressure, 0.93

Clouds: Amount, 2; Kind, Cu; Direction, NW

Velocity of clouds (miles per hour)

THERMOGRAPH



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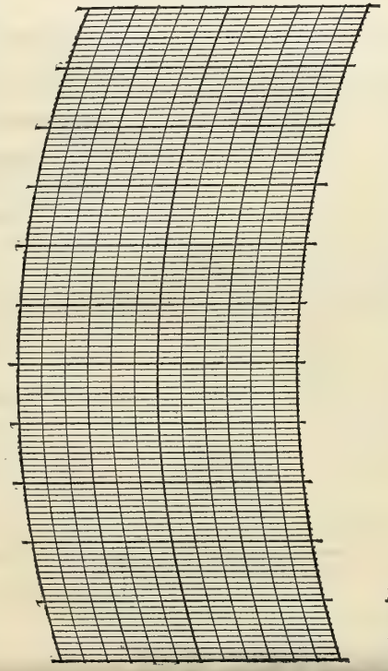
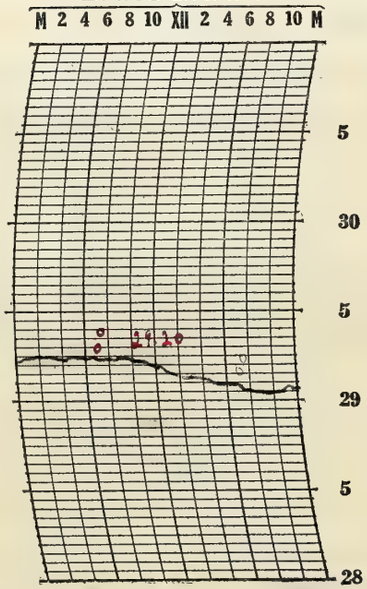


BAROGRAPH.



Prepared by L.C.S

Verified by E.L.H

NOTES

a fast cloudy day. Streets and sidewalks in good condition

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) FEB 2 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	34	34	34	33	32	32	32	33	35	37	39	40
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Cloudy						
Sunshine (in tenths of hours)							0	0	1.0	0.8	1.0	DH
Wind direction	SW	SW	SW	SW	SW	W	SW	W	W	NE	NE	NE
Wind movement	9	10	8	8	6	5	4	4	5	8	10	7

Sunrise: Time, 6:51 Character, Cloudy

Moonrise:

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	39	36	37	37	37	36	36	34	32	31	30	30
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions		Cloudy							→			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	E	E	E	E	E	E	E	E	E	E	E	E
Wind movement	10	10	10	8	7	6	3	7	5	6	8	6

Sunset: Time, 4:59 Character, Cloudy

Moonset:

Maximum velocities (exceeding 21 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
40	30	35	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10), 8

Actual sunshine, hours, 3.2 Possible sunshine, hours, 10.1

Per cent of possible sunshine, 32

Prevailing wind direction, E Total wind, 170

Average hourly velocity, 7.1 Extreme velocity, 13

Maximum velocity, 13 Direction, E

Time began, 1:05 P

Reduced barometer, 30.11 7 a. m. 30.30 7 p. m.

River gage, −0.3 feet

Relative humidity, 85 7 a. m. 78 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

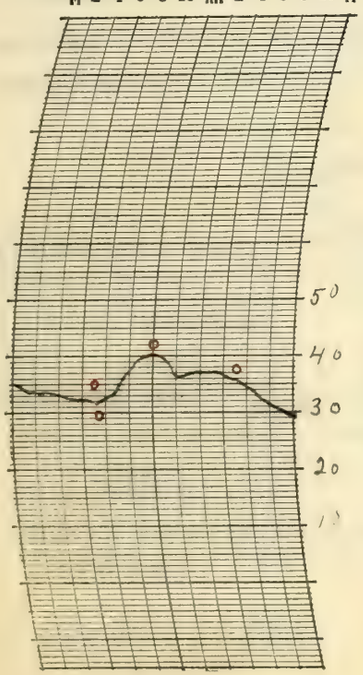
Dry temperature, 40.5 Wet temperature, 36.5

Dew-point, 32 R. humidity, 68 V. pressure, 180

Clouds: Amount, 4; Kind, St cu; Direction, SE

Velocity of clouds (miles per hour)

THERMOGRAPH



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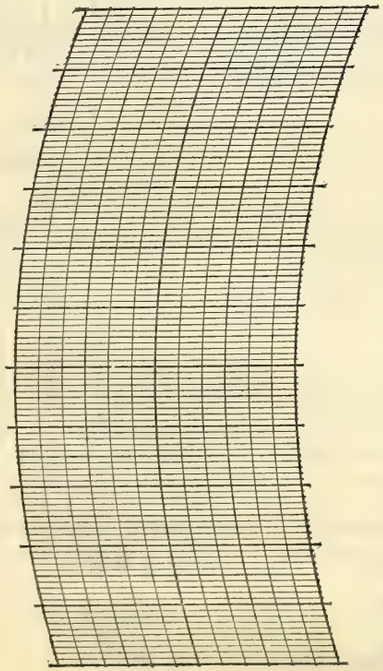
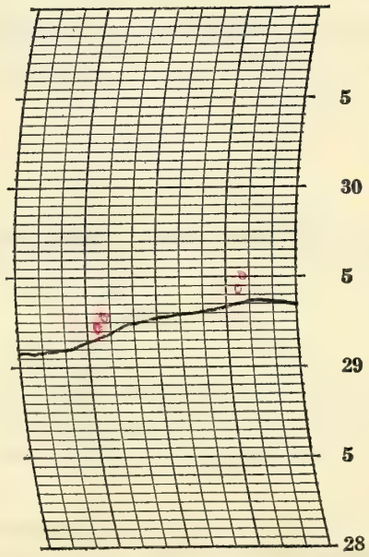


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H

8—436

NOTES

For the most part cloudy; with streets dry and in good condition.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) FEB 3 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	28	28	27	27	27	27	28	29	32	38	44	50	52	54	57	56	53	50	47	45	36	36	33	33
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions																								
Sunshine (in tenths of hours)							.17 0	1.0 0	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.7 0.3	0.2 0						
Wind direction	E	E	SE	SE	S	SE	SE	SE	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	NW	NW	NW	NW
Wind movement	6	4	4	4	4	4	5	7	10	9	9	10	11	13	12	10	9	8	7	7	17	17	11	6
Maximum velocities (exceeding 22 miles) direction and time																								

Clear

Sunrise: Time, 6:50 Character, Clear

Moonrise:

Sunset: Time, 5:01 Character, Clear

Moonset:

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
57	27	42	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 0

Actual sunshine, hours, 10.1 Possible sunshine, hours, 10.2

Per cent of possible sunshine, 99

Prevailing wind direction, SW Total wind, 204

Average hourly velocity, 8.5 Extreme velocity, 22

Maximum velocity, 22 Direction, NW

Time began, 8:22 P

Reduced barometer, 30.23 7 a. m. 29.97 7 p. m.

River gage, +0.6 feet

Relative humidity, 88 7 a. m. 69 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

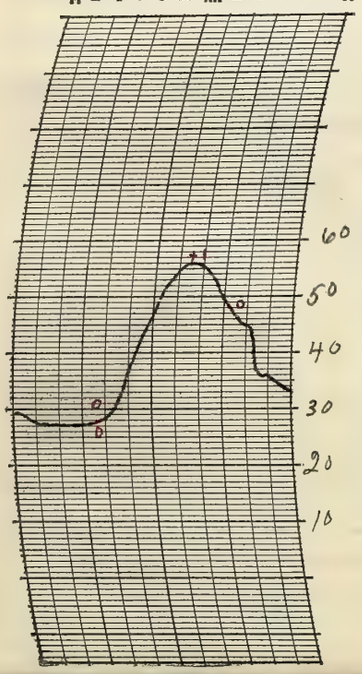
Dry temperature, 50.0 Wet temperature, 42.0

Dew-point, 32 R. humidity, 50 V. pressure, .180

Clouds: Amount, 0; Kind, 0; Direction, 0

Velocity of clouds (miles per hour)

THERMOGRAPH



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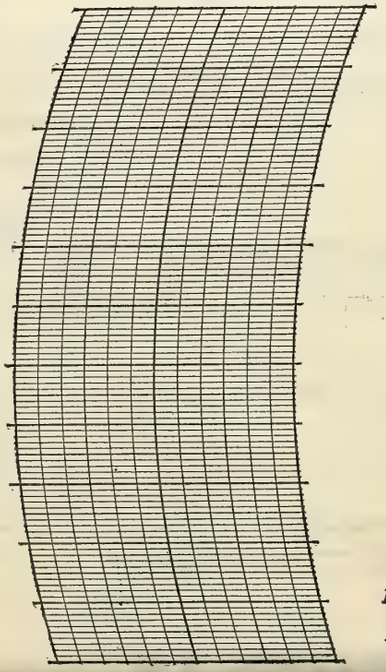
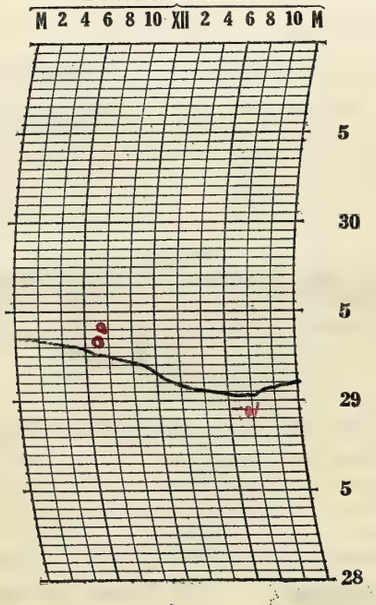


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H

S—456

NOTES

a very clear and quite warm day.

Streets and sidewalks dry. Flying conditions good. Visibility good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, (Day of week) Wednesday, (Date) FEB 4 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	33	32	31	30	29	28	28	30	31	33	34
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							←				clear	
Sunshine (in tenths of hours)							.18 0	1.0 0	1.0	1.0	1.0	1.0
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	N	N	N	N
Wind movement	8	10	4	10	10	10	7	8	8	12	7	8

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	36	36	37	35	33	32	31	30	30	29	29
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions									→			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.4 0.6	.03 0						
Wind direction	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	W
Wind movement	7	6	6	5	5	4	3	3	2	1	2	4

Sunrise: Time, 6:49 Character, Clear

Moonrise: ____ ____

Sunset: Time, 5:02 Character, Clear

Moonset: ____ ____

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
37	28	32	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, ____

Average daily cloudiness (0-10), 0

Actual sunshine, hours, 10.2 Possible sunshine, hours, 10.2

Per cent of possible sunshine, 100

Prevailing wind direction, NW Total wind, 155

Average hourly velocity, 6.5 Extreme velocity, 13

Maximum velocity, 13 Direction, N

Time began, 8:45 A.

Reduced barometer, 30.20 7 a. m. 30.16 7 p. m

River gage, +0.6 feet

Relative humidity, 86 7 a. m. 51 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

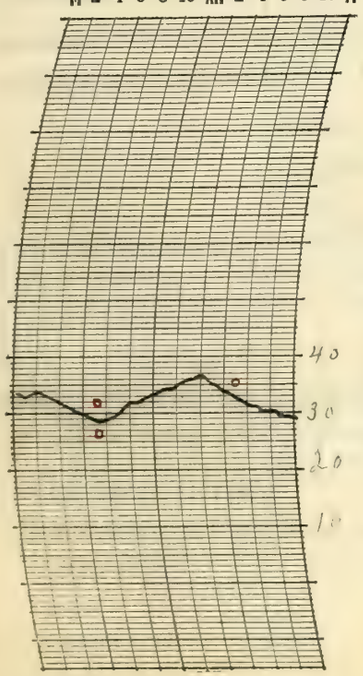
Dry temperature, 34.1 Wet temperature, 31.1

Dew-point, 27 R. humidity, 72 V. pressure, .143

Clouds: Amount, 0; Kind, 0; Direction, 0

Velocity of clouds (miles per hour)

THERMOGRAPH



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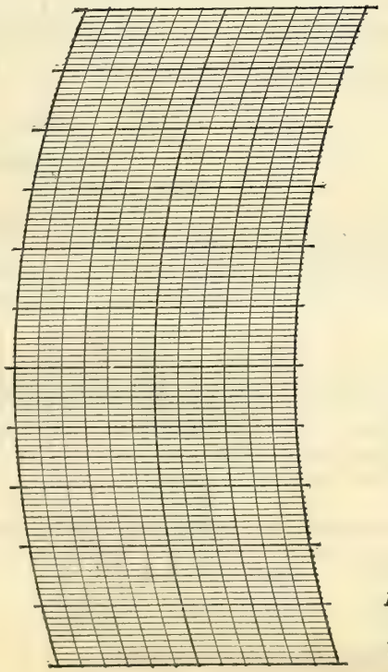
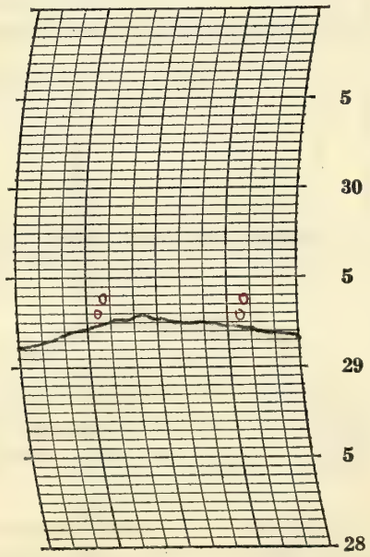


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H

8—486

NOTES

a very clear day. Flying conditions good. Streets and sidewalks in very good condition and dry.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) FEB 5 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	28	28	28	27	27	27	27	27	32	36	40	42	42	44	45	44	44	43	42	39	38	37	36	35
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←					Clear					X	Pt Cloudy		X	Clear →			
Sunrise: Time, Character,	6:48 Clear																							
Moonrise:																								
Sunset: Time, Character,																					5:03 Cloudy			
Moonset:																								
Sunshine (in tenths of hours)							.20 0	0.8 0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0	0						
Wind direction	SW	S	S	S	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	NW
Wind movement	5	7	7	7	8	6	7	7	8	9	13	13	13	12	13	12	8	8	6	6	6	8	5	5
Maximum velocities (exceeding 24 miles) direction and time																								

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
45	27	36	

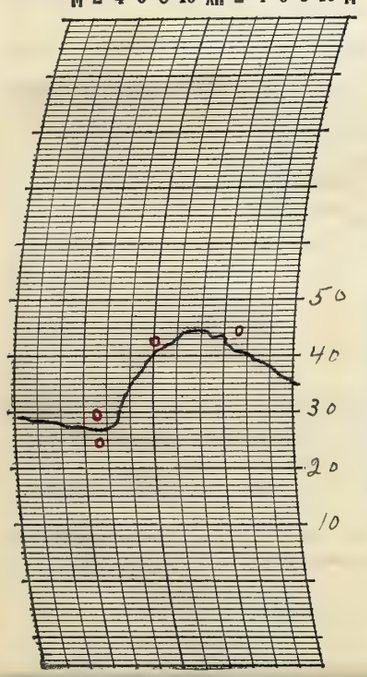
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 8.6 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 84
Prevailing wind direction, SW Total wind, 199
Average hourly velocity, 8.3 Extreme velocity, 17
Maximum velocity, 15 Direction, SW
Time began, 1:39 P
Reduced barometer, 30.052 a. m. 29.942 p. m.
River gage, +0.9 feet
Relative humidity, 72 a. m. 62 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 42.0 Wet temperature, 35.5
Dew-point, 26 R. humidity, 51 V. pressure, .136
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

THERMOGRAPH



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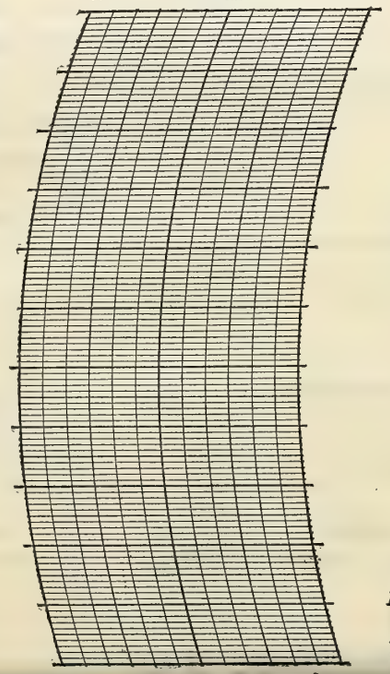
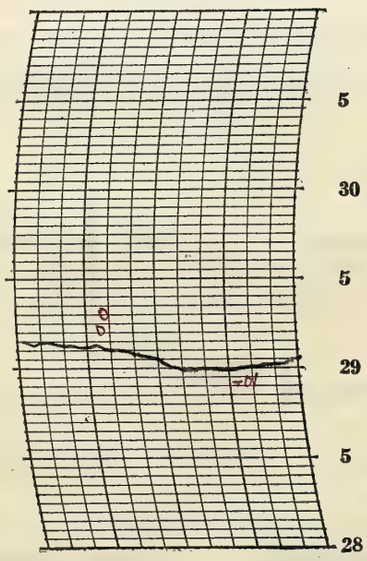


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

NOTES

a Clear day with no precipitation.
Past cloudy in early evening becoming clear at 8 P.M.
Flying conditions good.
Streets dry.

S—435

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Friday, (Date) FEB 6 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	34	33	32	31	30	29	29	32	34	36	38
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions								← Pt Cloudy				
Sunrise: Time, Character,	6:47 Clear											
Moonrise:												
Sunshine (in tenths of hours)							22 0	0.6 0.4	1.0	1.0	1.0	0.9
Wind direction	NW	NW	NW	N	N	N	NE	NE	NE	E	E	E
Wind movement	5	7	6	8	6	7	7	9	10	10	12	13
Maximum velocities (exceeding 25 miles) direction and time												

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	40	40	40	39	37	35	34	32	31	31	30	30
State of weather: Nature of precipitation and time of beginning and ending								S MB 7:15	S ME 8:20 R B 8:20			R cntd
Amounts of precipitation								T	.04	.04	.04	.05
Cloudiness and other conditions									→			
Sunset: Time, Character,									5:04 Cloudy			
Moonset:												
Sunshine (in tenths of hours)	1.0	0.9	0.1	0	0	0						
Wind direction	E	E	E	E	E	E	NE	NE	NE	E	E	E
Wind movement	11	13	13	13	13	12	13	12	14	15	15	15
Maximum velocities (exceeding 25 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
40	29	34	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0.17 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10), 7

Actual sunshine, hours, 7.1 Possible sunshine, hours, 10.3

Per cent of possible sunshine, 69

Prevailing wind direction, E Total wind, 259

Average hourly velocity, 10.8 Extreme velocity, 19

Maximum velocity, 17 Direction, E

Time began, 11:49 P

Reduced barometer, 30.157 a. m. 30.147 p. m.

River gage, -0.3 feet

Relative humidity, 83 7 a. m. 72 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

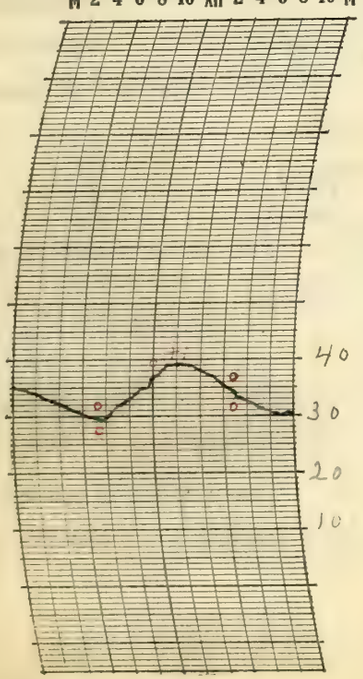
Dry temperature, 37.5 Wet temperature, 34.0

Dew-point, 29 R. humidity, 70 V. pressure, .15

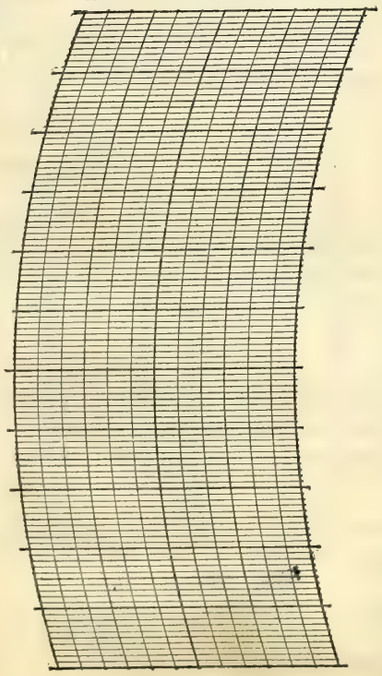
Clouds: Amount, 5; Kind, a Cu; Direction, E

Velocity of clouds (miles per hour)

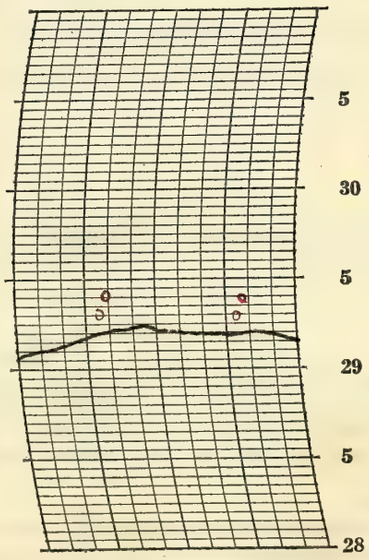
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. J. H

8—486

NOTES

a part cloudy day with rain and light snow at night.

Streets became icy at 10 PM and continued so until 9 A.M. next morning. Ice froze on windshields making driving difficult.

Light glaze froze to wires and trees but no damage was done.

Flying conditions were good until 5:00 PM then ceiling became quite low.

* Hourly amounts estimated.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) FEB 7 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	30	31	32	33	33	33	34	34	34	34	34	34
State of weather: Nature of precipitation and time of beginning and ending											RE 11:00	
Amounts of precipitation	X	0.5	0.4	0.3	0.3	0.3	0.3	T	0.4	0.2	0.1	
Cloudiness and other conditions							← Cloudy					
Sunrise: Time, 6:45 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	E	E	E	E	E	E	NE	NE	NE	E	N	NW
Wind movement	16	13	11	11	10	8	6	6	5	4	6	7

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	35	36	37	38	38	38	38	38	39	39	38
State of weather: Nature of precipitation and time of beginning and ending				RS 3:10								RE 11:30
Amounts of precipitation				T	T	T	T	T	T	T	T	T
Cloudiness and other conditions							→ Cloudy					
Sunset: Time, 5:05 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	W	W	W	W	W	W	SE	S	SW	W	W	W
Wind movement	6	3	4	3	1	3	3	4	5	9	9	9

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

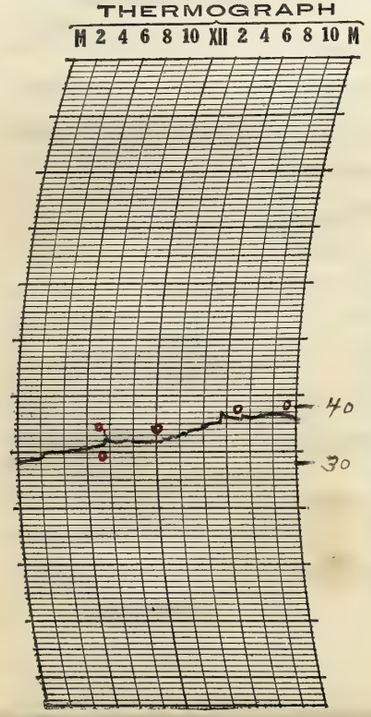
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
39	30	34	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.41 ins.; to 7 p. m. 0.07 ins.
Total precipitation, midnight to midnight, 0.31 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours 10.3
Per cent of possible sunshine, 0
Prevailing wind direction, W Total wind, 162
Average hourly velocity, 6.8 Extreme velocity, 19
Maximum velocity, 18 Direction, E
Time began, 12:30 A.
Reduced barometer, 29.92 7 a. m. 30.07 7 p. m.
River gage, -0.3 feet
Relative humidity, 95 7 a. m. 96 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 33.8 Wet temperature, 32.9
Dew-point, 32 R. humidity, 91 V. pressure, .180
Clouds: Amount, 10; Kind, St; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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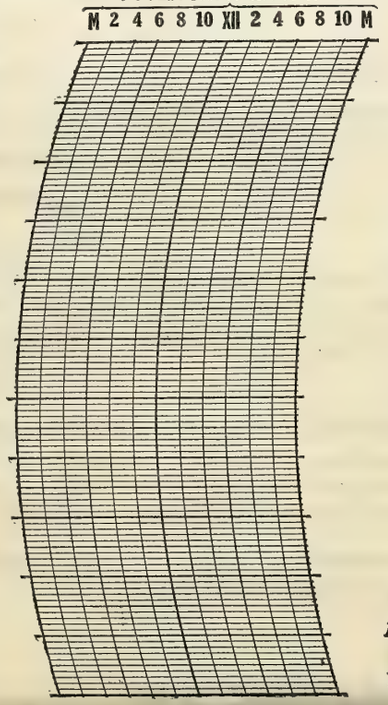
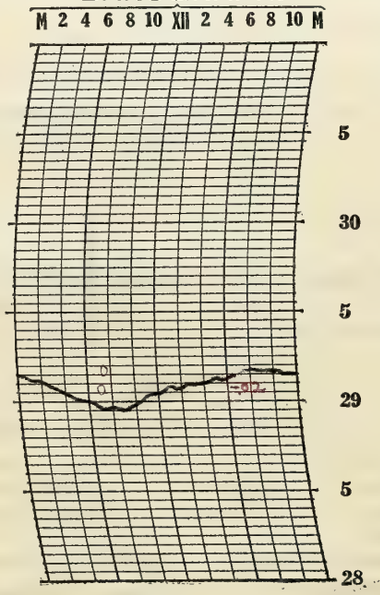


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

X Hourly amounts estimated
Very foggy. Bad flying conditions
Ceiling very low. Cloudiness continued
into the night and fog lifted about
midnight. Streets were damp from
light rain and mist

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) FEB 8 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	37	37	35	35	34	33	33	32	32	35	38	41
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Pt Cloudy					
Sunrise: Time, Character,	6:44 Clouds											
Moonrise:												
Sunshine (in tenths of hours)							0	0	0.4	1.0	1.0	1.0
Wind direction	W	W	W	W	W	W	SW	SW	SW	SW	SW	SW
Wind movement	7	8	9	8	7	5	6	7	7	10	12	12

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	45	46	44	42	40	39	38	37	35	34	37
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions									→ Clear			
Sunset: Time, Character,									5:07 Cloudy			
Moonset:												
Sunshine (in tenths of hours)	0.9	1.0	1.0	1.0	0	0						
Wind direction	SW	SW	W	W	W	W	W	W	NW	NW	NW	NW
Wind movement	12	12	11	12	9	6	6	7	6	7	6	8

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

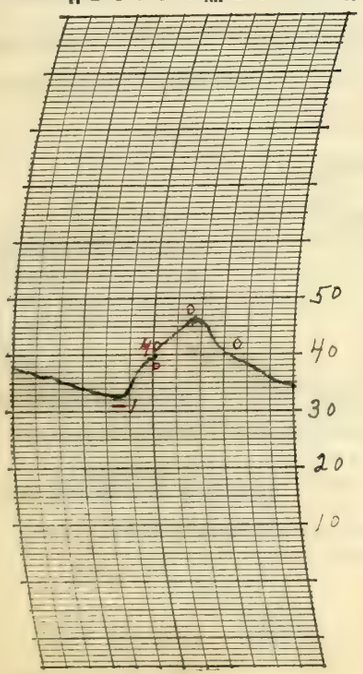
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
46	32	39	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 7.3 Possible sunshine, hours, 10.4
Per cent of possible sunshine, 70
Prevailing wind direction, W Total wind, 201
Average hourly velocity, 8.4 Extreme velocity, 16
Maximum velocity, 14 Direction, SW
Time began, 11:43 A
Reduced barometer, 30.11 7 a. m. 30.03 7 p. m
River gage, −0.5 feet
Relative humidity, 90 7 a. m. 60 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 41.6 Wet temperature, 37.5
Dew-point, 33 R. humidity, 73 V. pressure, .187
Clouds: Amount, 2; Kind, Ci St Cu; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH



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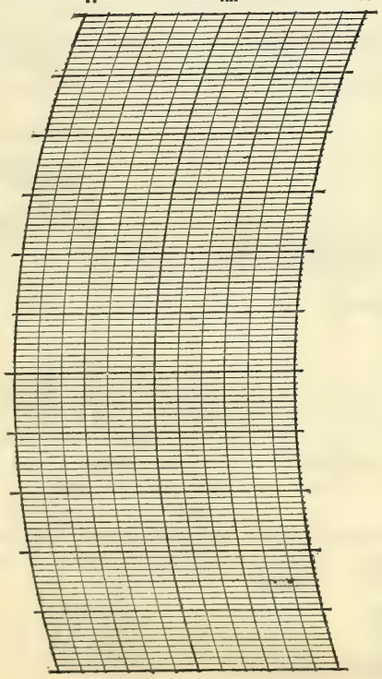

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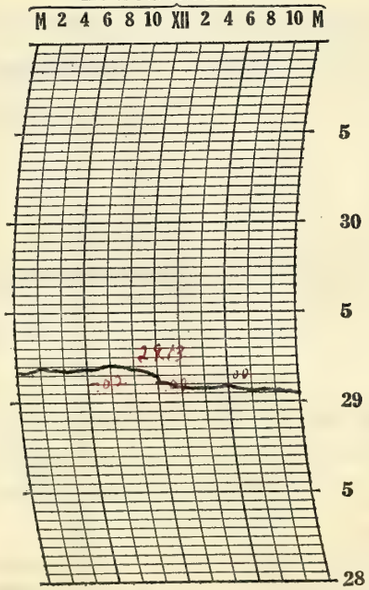


Prepared by L. S.

Verified by E. H.

8—486

NOTES

a fair cloudy day. Suitable for flying.
Streets and sidewalks dry and in good condition.
Mostly clear at night

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) FEB 9 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	33	32	32	31	32	30	29	31	33	34	35
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Clear	Pt cloudy		Clear		
Sunshine (in tenths of hours)							.28 0	0.8 0.2	1.0	1.0	1.0	1.0
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	5	6	5	6	6	6	5	6	7	9	10	9

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	34	34	33	33	31	30	28	28	28	26	25
Nature of precipitation and time of beginning and ending										S M B D NF		S M Cnd
Amounts of precipitation										T	.01	.01
Cloudiness and other conditions			Cloudy				Pt cloudy	Clear		Cloudy		
Sunshine (in tenths of hours)	1.0	0	0	0	0	0						
Wind direction	NW	W	W	W	W	W	W	W	W	W	NW	N
Wind movement	9	9	11	9	10	9	8	6	5	8	14	–

Sunrise: Time, 6:43 Character, Clear

Moonrise:

Sunset: Time, 5:08 Character, Cloudy

Moonset:

Maximum velocities (exceeding 34 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
35	25	30	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0.2 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .02 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 8

Actual sunshine, hours, 6.3 Possible sunshine, hours, 10.4

Per cent of possible sunshine, 61

Prevailing wind direction, NW Total wind, 192

Average hourly velocity, 8.0 Extreme velocity, 19

Maximum velocity, 19 Direction, N

Time began, 11:30 P

Reduced barometer, 29.97 7 a. m. 30.08 7 p. m.

River gage, –0.5 feet

Relative humidity, 80 7 a. m. 68 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

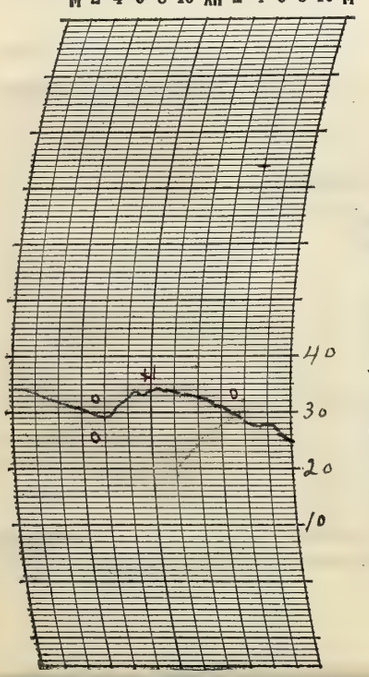
Dry temperature, 35.0 Wet temperature, 29.0

Dew-point, 18 R. humidity, 46 V. pressure, .093

Clouds: Amount, 8; Kind, Ac cu; Direction, W

Velocity of clouds (miles per hour)

THERMOGRAPH



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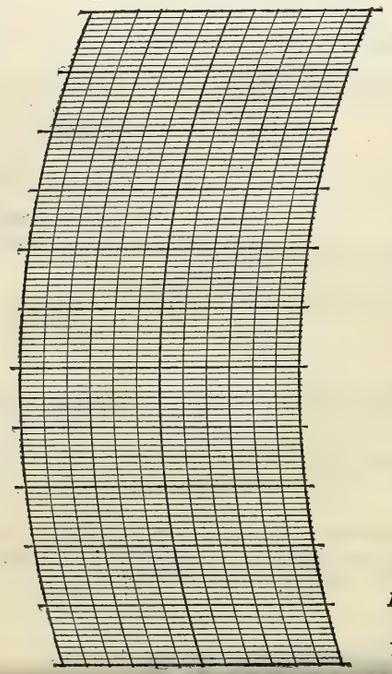
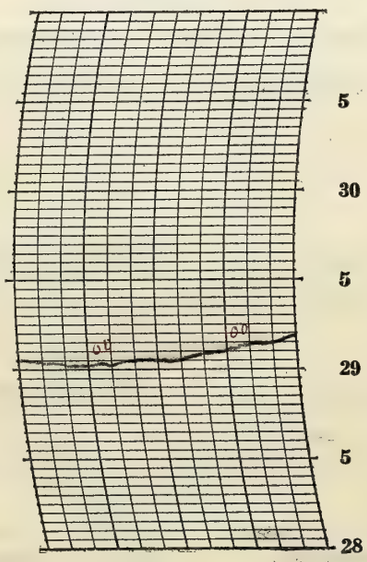


BAROGRAPH.



Prepared by L. C. S.

Verified by E. P. H

NOTES

a most cloudy day in afternoon
Part cloudy during most of the morning
It cleared off at about 7 P.M and became
cloudy and snowed during the night
Streets and sidewalks became
slippery from the snow. Snow
began between 9:00 and 10:00 P.M
Hourly amounts estimated

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) FEB 10 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	24	22	22	22	21	20	18	18	20	22	23	24
State of weather: Nature of precipitation and time of beginning and ending			SME & NA									
Amounts of precipitation	X .01	.01	T									
Cloudiness and other conditions							←				Pt Cloudy	
Sunshine (in tenths of hours)							.30 0	0.6 0.4	1.0	1.0	1.0	1.0
Wind direction	N	N	N	N	N	N	N	N	N	N	NW	NW
Wind movement	14	13	14	12	10	7	8	6	7	7	7	7

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	25	28	28	28	28	27	26	25	24	24	24	23
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							X Clear		→			
Sunshine (in tenths of hours)	1.0	0.9	1.0	0.2	0.3	0						
Wind direction	NW	W	W	W	W	W	W	W	W	W	SW	SW
Wind movement	5	5	6	6	6	6	5	6	4	4	7	6

Sunrise: Time, 6:42 Character, Clear
Moonrise:

Sunset: Time, 5:09 Character, Cloudy
Moonset:

Maximum velocities (exceeding 31 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

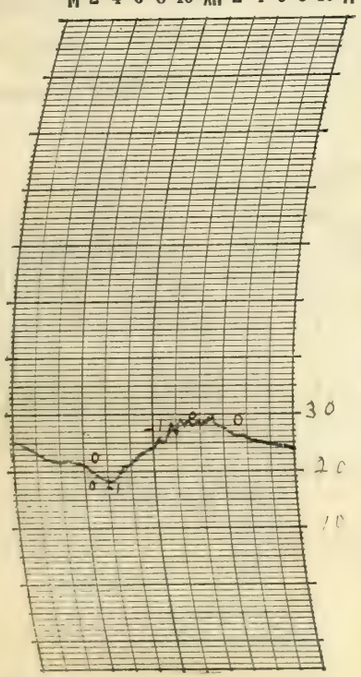
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
28	17	22	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0.2 inches.
Total snowfall, midnight to midnight, 0.1 inches.
Precipitation to 7 a. m., .04 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .02 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 8.7 Possible sunshine, hours, 10.4
Per cent of possible sunshine, 84
Prevailing wind direction, N Total wind, 178
Average hourly velocity, 7.4 Extreme velocity, 17
Maximum velocity, 17 Direction, N
Time began, 2:19 A
Reduced barometer, 30.267 a. m. 30.26 7 p. m.
River gage, +0.7 feet
Relative humidity, 87 7 a. m. 73 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 24.3 Wet temperature, 21.8
Dew-point, 16 R. humidity, 68 V. pressure, .085
Clouds: Amount, 7; Kind, Ac Cu; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH



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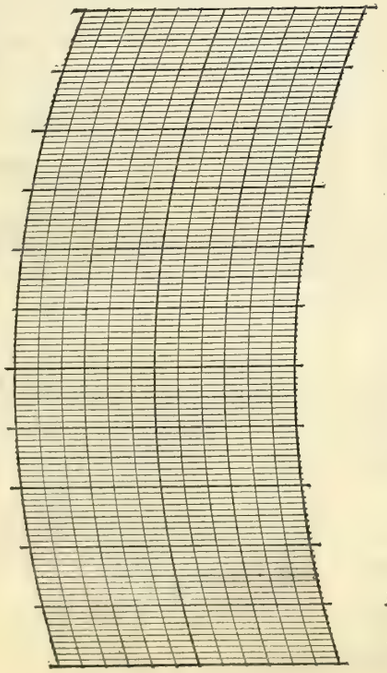
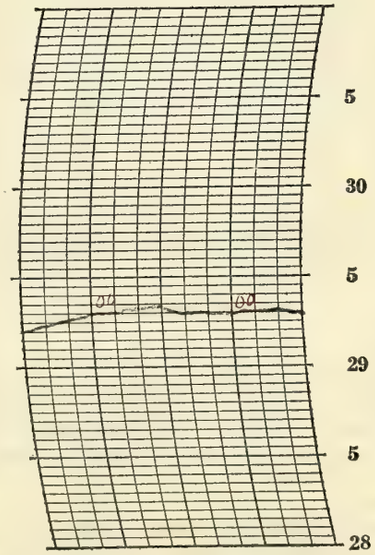


BAROGRAPH.



Prepared by S. C. S.
Verified by E. J. H.

8—486

NOTES

a part cloudy day becoming clear during early evening. Suitable for flying.
Streets were very slippery from midnight to noon as a result of snow that started to fall before midnight.
X Hourly [illegible] estimated

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) FEB 11 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	22	22	21	21	21	21	22	24	26	29	31	34
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Clear			Pt Cloudy		
Sunshine (in tenths of hours)							.32 0	1.0 0	0.9 0.1	0.5	0.8	0.6
Wind direction	S	S	S	S	S	S	S	S	S	S	S	S
Wind movement	8	7	8	8	9	9	9	11	1	12	13	15
Maximum velocities (exceeding ___ miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	35	35	33	32	32	32	33	33	33	33	34
State of weather: Nature of precipitation and time of beginning and ending		S M B 1:25					S M E 6:35					
Amounts of precipitation		T	T	.01	.01	T	T					
Cloudiness and other conditions				Cloudy					→			
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	S	SW	S	S	S	S	S	S	SW	SW	SW	SW
Wind movement	14	13	12	13	12	12	13	11	9	11	10	9
Maximum velocities (exceeding ___ miles) direction and time												

Sunrise: Time, 6:41 Character, Clear
Moonrise:

Sunset: Time, 5:10 Character, Cloudy
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

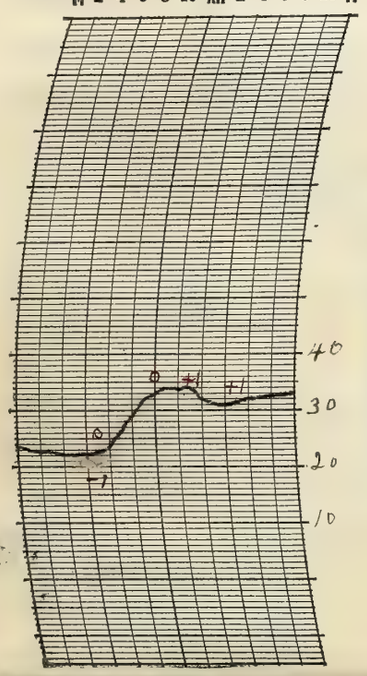
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
35	21	28	

Total depth of snow for 24 hours ending 7 p. m., 0.2 inches.
Snow, sleet, and hail on ground 7 p. m., 0.4 inches.
Total snowfall, midnight to midnight, 0.2 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .02 ins.
* Total precipitation, midnight to midnight, .02 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 4.2 Possible sunshine, hours, 10.5
Per cent of possible sunshine, 40
Prevailing wind direction, S Total wind, 259
Average hourly velocity, 10.8 Extreme velocity, 19
Maximum velocity, 18 Direction, S
Time began, 12:24 P
Reduced barometer, 30.20 a. m. 30.04 p. m.
River gage, +0.5 feet
Relative humidity, 79 7 a. m. 95 7 p. m.

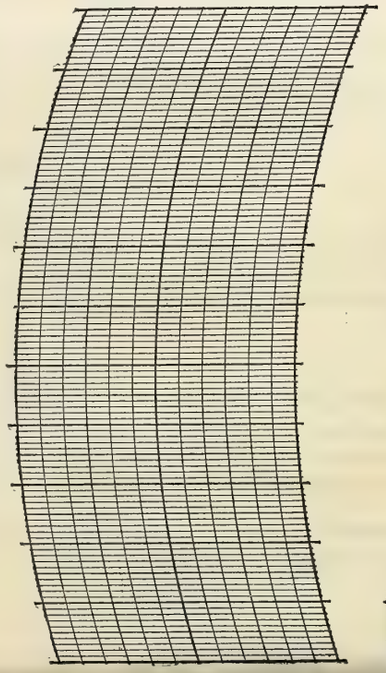
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 33.5 Wet temperature, 31.8
Dew-point, 29 R. humidity, 84 V. pressure, .157
Clouds: Amount, 10; Kind, St.; Direction, SW
Velocity of clouds (miles per hour)

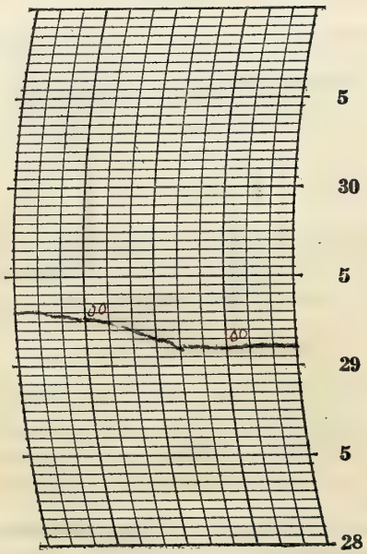
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H

8—486

NOTES

* Hourly amounts estimated
Clear in early morning becoming
Part cloudy about 8 a m and
cloudy at 11 a m. Snow began to
fall at 1:25 P M streets became
slippery at 5 P.M and continued
so throughout the night
7 lying conditions unfavorable
from 2 P.M to 6 P.M.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) FEB 12 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	34	34	35	35	35	35	35	37	38	39	38	39	43	46	47	47	45	46	46	45	43	43	43
State of weather: Nature of precipitation and time of beginning and ending																				R 7:15				Rain
Amounts of precipitation																				.02	.06	.07	.08	.03
Cloudiness and other conditions							←					Cloudy	X	Pt Cloudy	X		Cloudy							→

Sunrise: Time, 6:39 Character, Cloudy

Moonrise:

Sunset: Time, 5:12 Character, Cloudy

Moonset:

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)							0	0	0	0.7	1.0	0	0	1.0	1.0	0.6	0	0						
Wind direction	SW	SW	S	SW	SW	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SW	S	SW	SW
Wind movement	7	9	8	9	9	9	9	9	10	11	10	10	8	10	12	12	10	10	13	14	11	12	15	13
Maximum velocities (exceeding ____ miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
47	34	40	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0.26 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 9

Actual sunshine, hours, 4.3 Possible sunshine, hours, 10.6

Per cent of possible sunshine, 41

Prevailing wind direction, S Total wind, 250

Average hourly velocity, 10.4 Extreme velocity, 20

Maximum velocity, 19 Direction, SW

Time began, 10:24 P

Reduced barometer, 30.03 7 a. m. 29.89 7 p. m.

River gage, +0.5 feet

Relative humidity, 78 7 a. m. 72 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

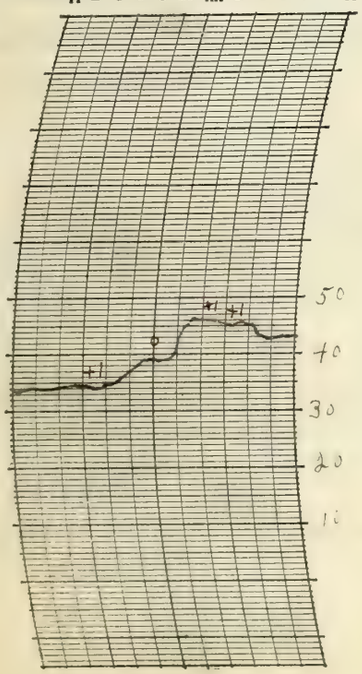
Dry temperature, 38.5 Wet temperature, 36.5

Dew-point, 34 R. humidity, 84 V. pressure, .195

Clouds: Amount, 10; Kind, Stcu; Direction, S

Velocity of clouds (miles per hour)

THERMOGRAPH



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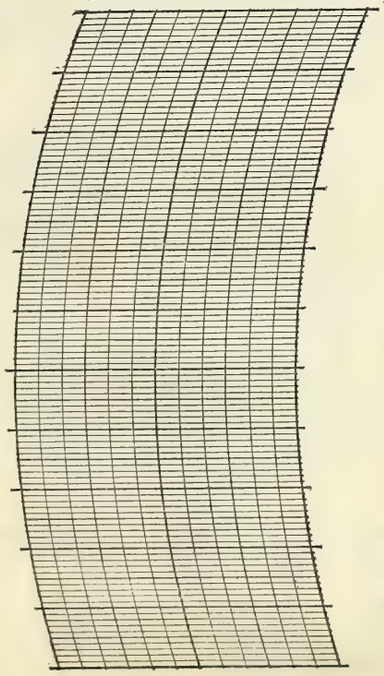
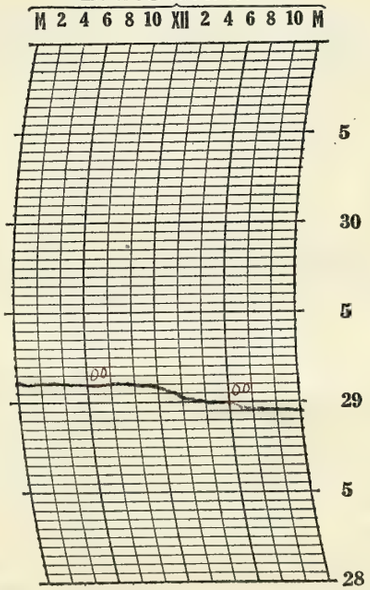


BAROGRAPH.



Prepared by L. C. S.

Verified by E. J. H.

8—486

NOTES

a cloudy forenoon becoming part cloudy during the afternoon and cloudy again at night followed by rain.

Streets were wet but not slippery during the night.

Flying conditions were favorable until 7 P.M.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) FEB 13 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	45	43	43	43	43	38	36	35	34	35	35	35
State of weather: Nature of precipitation and time of beginning and ending	Rcntd								RE 8:10 SMB 8:10	SME 9:45		
Amounts of precipitation	03	03	03	.01	01	01	.02	T	.01	T		
Cloudiness and other conditions							←					
Sunrise: Time, 6:38 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	SW	SW	SW	SW	SW	NW	NW	NW	NW	NW	W	W
Wind movement	15	12	11	10	9	12	10	10	8	9	11	11

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	34	33	33	31	27	25	25	21	20	18	18
State of weather: Nature of precipitation and time of beginning and ending										SDB 9:10		Scntd
Amounts of precipitation										T	T	T
Cloudiness and other conditions					Cloudy	—	X	—	Clear	→		
Sunset: Time, 5:13 Character, Clear												
Moonset:												
Sunshine (in tenths of hours)	0	0	0	0.7	0.2 0.8	2.2 0						
Wind direction	NW	NW	NW	W	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	13	16	18	16	17	16	14	15	22 NW25 8:08	20	18	16

Maximum velocities (exceeding 24 miles) direction and time

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

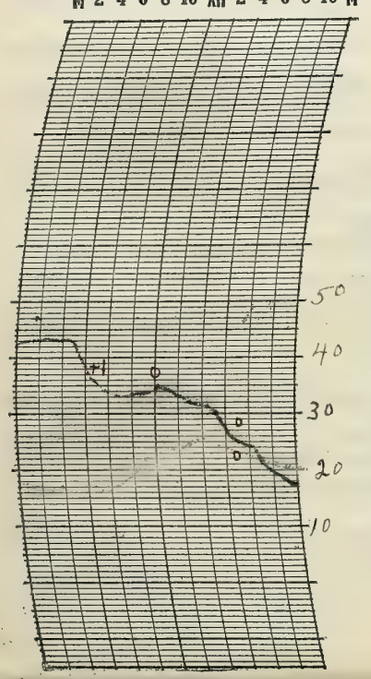
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
43	18	30	

Total depth of snow for 24 hours ending 7 p. m., 0.1 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0.1 inches.
Precipitation to 7 a. m., 0.4 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, 0.15 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 1.9 Possible sunshine, hours, 10.6
Per cent of possible sunshine, 18
Prevailing wind direction, NW Total wind, 329
Average hourly velocity, 13.7 Extreme velocity, 27
Maximum velocity, 25 Direction, NW
Time began, 8:08 P
Reduced barometer, 29.86 7 a. m. 30.03 7 p. m.
River gage, +0.9 feet
Relative humidity, 95 7 a. m. 75 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 35.3 Wet temperature, 33.0
Dew-point, 30 R. humidity, 79 V. pressure, .164
Clouds: Amount, 10; Kind, St Cus.; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH



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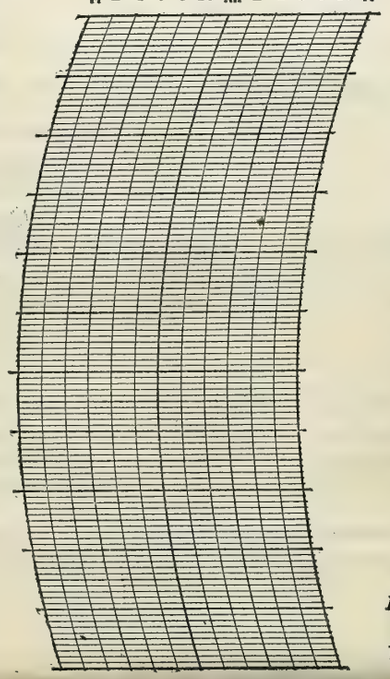
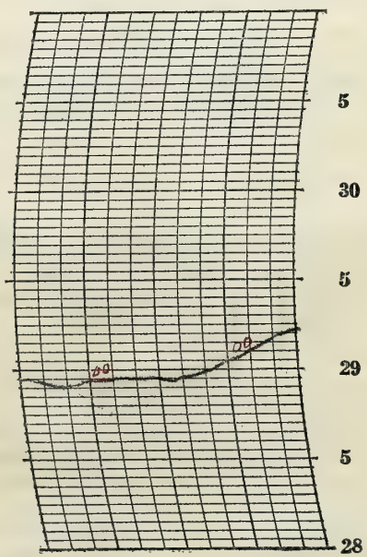


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H

8—486

NOTES

a cloudy forenoon becoming clear at about 3:15 P.M.
Streets were slippy from rain changing to snow in the forenoon.
The afternoon was favorable for flying but a great part of the forenoon was unsatisfactory.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) FEB 14 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	18	17	17	17	16	17	16	17	18	20	23	24
State of weather: Nature of precipitation and time of beginning and ending	S° Cont'd			S° E D.N.R.								
Amounts of precipitation	T	T	T	T								
Cloudiness and other conditions							Pt Cloudy		Clear		Pt Cloudy	
Sunrise: Time, Character,	6:37 Clear											
Moonrise:												
Sunshine (in tenths of hours)							.38 0	0.5 0.5	1.0	1.0	1.0	1.0
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	14	15	15	16	15	13	14	12	15	16	15	14
Maximum velocities (exceeding 21 miles) direction and time												

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	26	26	26	27	25	24	23	23	22	21	20	21
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				Clear								
Sunset: Time, Character,									5:14 Clear			
Moonset:												
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.3 0.5	1.0 0	2.3 0						
Wind direction	NW	NW	NW	NW	NW	W	W	W	SW	SW	SW	SW
Wind movement	15	14	13	13	12	9	7	6	7	7	7	7
Maximum velocities (exceeding 21 miles) direction and time												

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
27	16	22	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 10.4 Possible sunshine, hours, 10.6
Per cent of possible sunshine, 98
Prevailing wind direction, NW Total wind, 291
Average hourly velocity, 12.1 Extreme velocity, 22
Maximum velocity, 21 Direction, NW
Time began, 3:12 A
Reduced barometer, 30.33 7 a. m. 30.38 7 p. m.
River gage, +0.9 feet
Relative humidity, 76 7 a. m. 66 7 p. m.

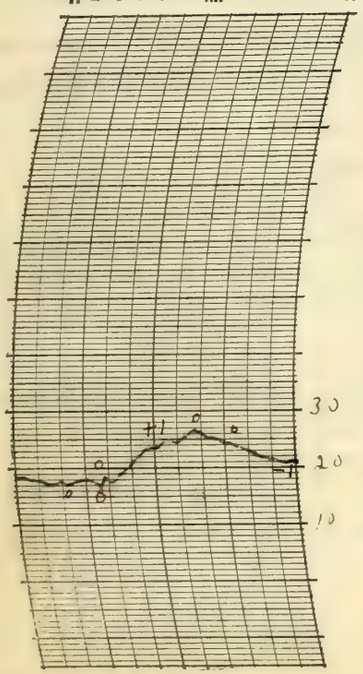
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

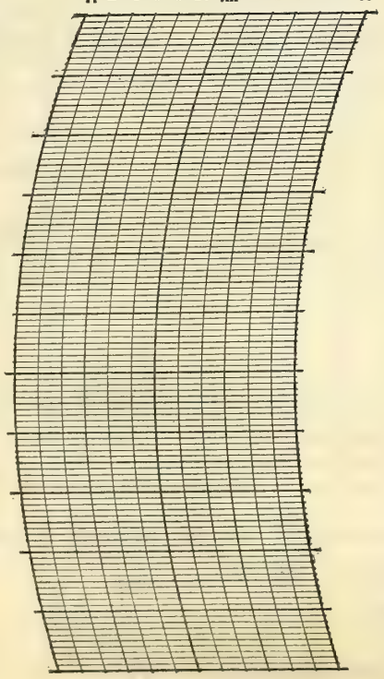
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 24.5 Wet temperature, 21.0
Dew-point, 12 R. humidity, 56 V. pressure, .070
Clouds: Amount, 4/2; Kind, a Cu St Cu; Direction, N NW
Velocity of clouds (miles per hour)

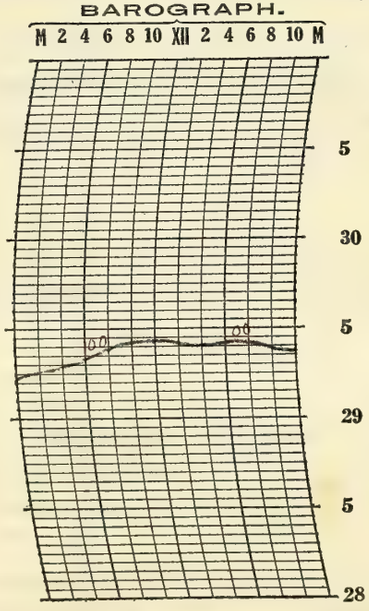
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by E. C. S.

Verified by E. J. H.

8—486

NOTES

Trace of snow on ground streets and sidewalks in early morning but was mostly gone by 10 a.m.

Partly cloudy morning followed by clear afternoon.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) FEB 15 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	21	22	22	22	22	21	21	22	27	36	33	38
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							←			Clear		
Sunshine (in tenths of hours)							.42 0	0.3 0.7	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	8	9	10	12	12	10	10	9	12	12	13	14
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	46	41	42	42	39	38	36	35	36	37	37	38
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions								→				
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.9	.25 0						
Wind direction	SW	SW	SW	SW	SW	SW	S	S	S	SW	SW	SW
Wind movement	15	15	13	13	11	8	10	12	12	13	12	11
Maximum velocities (exceeding 24 miles) direction and time												

Sunrise: Time, 6:35 Character, Clear
Moonrise:

Sunset: Time, 5:25 Character, Clear
Moonset:

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

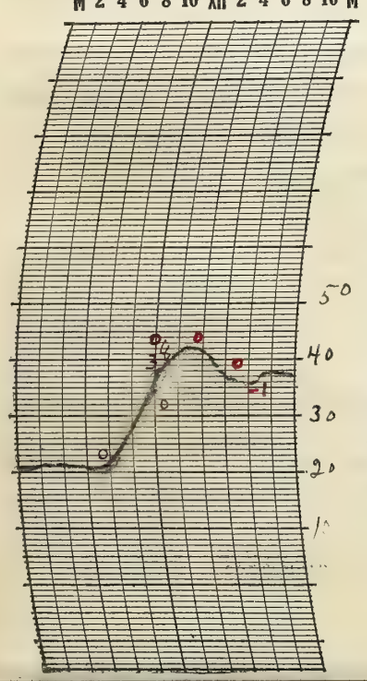
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
42	21	32	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 10.7 Possible sunshine, hours, 10.7
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind, 276
Average hourly velocity, 11.5 Extreme velocity, 18
Maximum velocity, 17 Direction, SW
Time began, 12:32 P
Reduced barometer, 30.25 7 a. m. 29.96 7 p. m.
River gage, +1.3 feet
Relative humidity, 86 7 a. m. 54 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 37.8 Wet temperature, 30.0
Dew-point, 15 R. humidity, 36 V. pressure, .081
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

THERMOGRAPH



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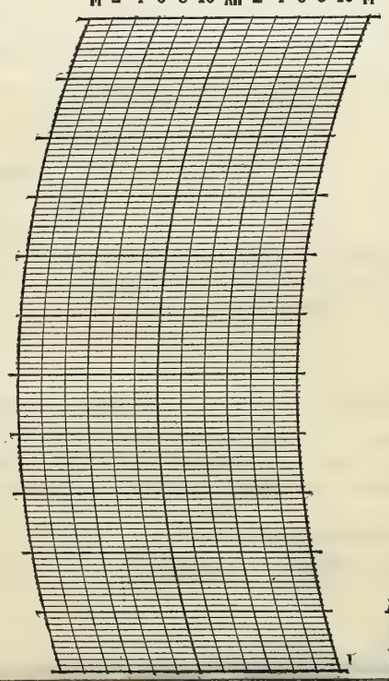
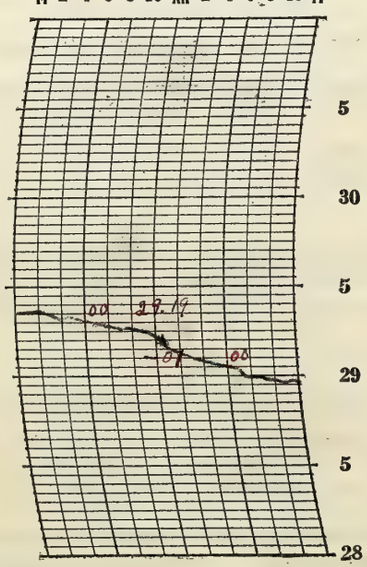


BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.H

NOTES

a clear beautiful day. Rather cold in the morning but mild afternoon.
Streets and sidewalks dry

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) FEB 16 1931, 193

Time (local standard) 90 mer. normal time.	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	38	38	38	38	38	38	37	38	38	39	39	40	42	40	35	34	34	34	34	34	35	35	35	34
State of weather: Nature of precipitation and time of beginning and ending											R 10:30 R 10.55		S 1:05 S 2 12.15		S 2:25				SME 6:15 R 6:15					R cont'd
Amounts of precipitation											.01		T		.01	.04	.05	.05	.01	.02	.02	.02	.03	.03
Cloudiness and other conditions							←					Cloudy												→
Sunrise: Time, 6:34 Character, Cloudy																								
Moonrise:																								
Sunset: Time, 5:16 Character, Cloudy																								
Moonset:																								
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0	0						
Wind direction	SW	SW	SW	SW	SW	SW	S	S	S	S	SW	S	SW	SW	SW	SW	S	SE	SE	SE	SE	SE	SE	E
Wind movement	10	9	11	11	10	10	10	9	11	9	10	11	10	14	10	6	4	6	7	6	5	7	6	6
Maximum velocities (exceeding 24 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

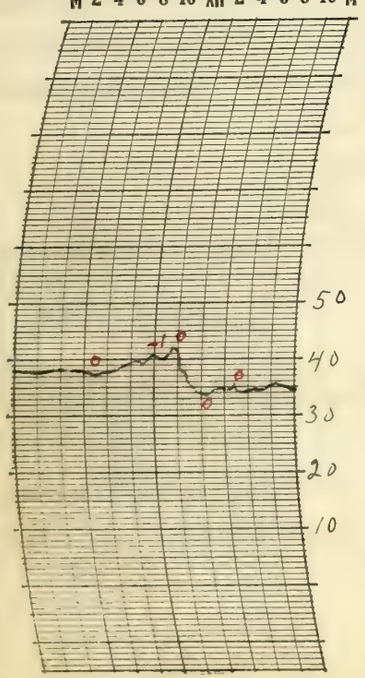
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
42	34	38	

Total depth of snow for 24 hours ending 7 p. m., 1.2 inches.
Snow, sleet, and hail on ground 7 p. m., 0.4 inches.
Total snowfall, midnight to midnight, 1.2 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0.17 ins.
Total precipitation, midnight to midnight, 0.29 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.7
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind, 208
Average hourly velocity, 8.7 Extreme velocity, 21
Maximum velocity, 18 Direction, SW
Time began, 1:57 P
Reduced barometer, 29.842 a. m. 29.822 p. m.
River gage, +1.1 feet
Relative humidity, 62 7 a. m. 95 7 p. m.

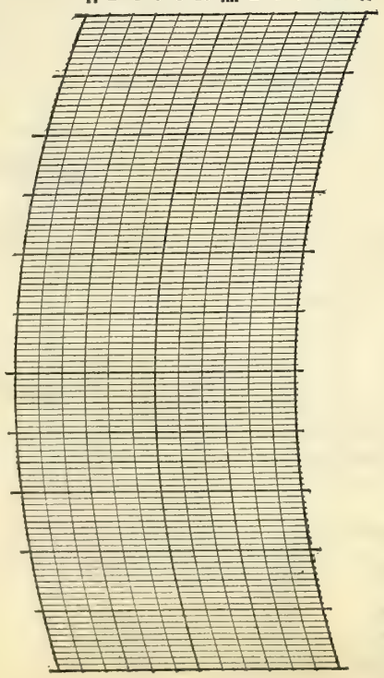
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 40.0 Wet temperature, 35.5
Dew-point, 29 R. humidity, 64 V. pressure, .157
Clouds: Amount, 10; Kind, Stcu; Direction, SW
Velocity of clouds (miles per hour)

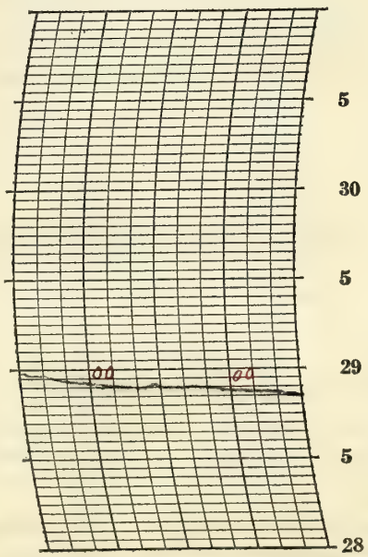
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

Hourly amounts estimated
a cloudy morning followed by rain at 10:30 AM to 10:55 AM. At 2:25 PM a wet snow began to fa and continued to 6:15 P.M. when it turned to rain
The snow was wet and mostly melted if fell, however some snow remained on the grass covered ground. It did not remain on sidewalks or streets
The wet snow stuck to windshields and visibility was very poor from 3:00 PM well into the night. Streets were slippery after 3:00 P.M.
Traveling in or out of Ft. Wayne was not possible after 3:30 PM

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) FEB 17 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	35	35	35	35	35	35	35	35	35	36	36
State of weather: Nature of precipitation and time of beginning and ending	Rcntl						RE 6:38					
Amounts of precipitation	.01	.01	.01	.01	.01	T	T					
Cloudiness and other conditions												Cloudy
Sunrise: Time, 6:33 Character, Foggy												
Moonrise:												
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	E	E	E	E	E	E	E	NE	NE	NE	NE	NE
Wind movement	7	8	8	6	5	5	4	6	6	7	6	5

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	37	37	38	38	38	38	37	36	36	36	36
State of weather: Nature of precipitation and time of beginning and ending	RB 12:05	RE 1:15					RB 6:30					Rcntl
Amounts of precipitation	.01	T					T	T	T	T	T	T*
Cloudiness and other conditions												
Sunset: Time, 5:18 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	NE	NE	N	N	N	N	N	NE	NE	N	N	N
Wind movement	8	5	7	7	8	8	9	7	8	7	7	6

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

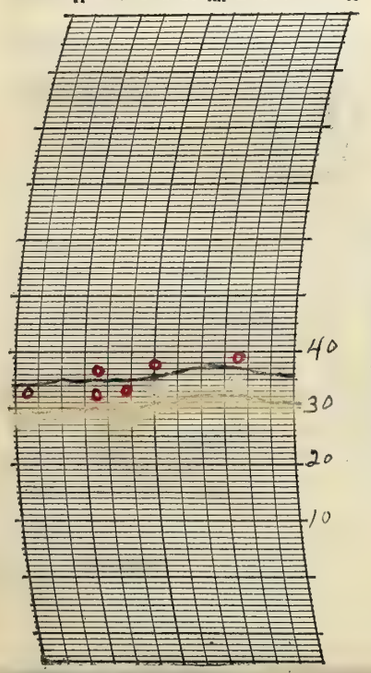
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
38	34	36	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.17 ins.; to 7 p. m.; 0.1 ins.
Total precipitation, midnight to midnight, 0.6 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.8
Per cent of possible sunshine, 0
Prevailing wind direction, NE Total wind, 160
Average hourly velocity, 6.7 Extreme velocity, 10
Maximum velocity, 10 Direction, NE
Time began, 8:24P
Reduced barometer, 29.76 7 a. m. 29.90 7 p. m.
River gage, + 1.5 feet
Relative humidity, 98 7 a. m. 98 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 36.5 Wet temperature, 36.0
Dew-point, 36 R. humidity, 95 V. pressure, .211
Clouds: Amount, 10; Kind, St; Direction, NE
Velocity of clouds (miles per hour)

THERMOGRAPH



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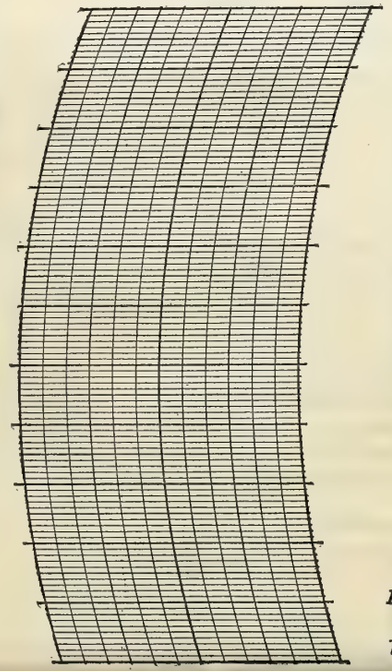
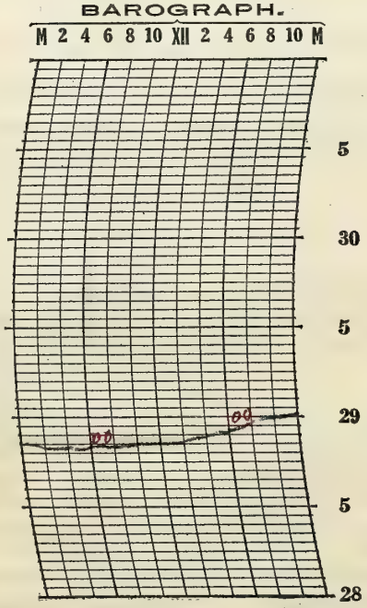


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H

8—486

NOTES

* Hourly amounts estimated.
The dense fog in the morning resulted in a visibility of 3000 until 9:45, after that the visibility became slightly better and by 10:00 AM was two blocks.
The visibility remained poor and ceilings low all day and all night. The mail plane took off at 5:00 M but had to return, could not get through fog.
Streets and sidewalks wet and slippery. No ice

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) FEB 18 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	36	36	36	36	35	36	36	35	35	36	37	37	37	38	38	37	37	37	36	36	35	34	34
	R cut						R 6:20						R 12:10 R 12:30				R 4:30							R cut
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation	T	T	T	T	T	T	T						T				T	.01	T	T	T	T	.01	T
Cloudiness and other conditions							←						Cloudy								→			
Sunrise: Time, Character,	6:31 Cloudy																				Sunset: Time, Character,	5:19 Cloudy		
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0	0						
Wind direction	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Wind movement	5	5	6	6	6	5	5	4	5	6	5	7	5	5	5	4	4	3	5	5	4	4	4	4
Maximum velocities (exceeding 20 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
						Accumulated depths during excessive rate, for consecutive periods of time indicated below.													
Excessive precipitation, accumulated amounts																			

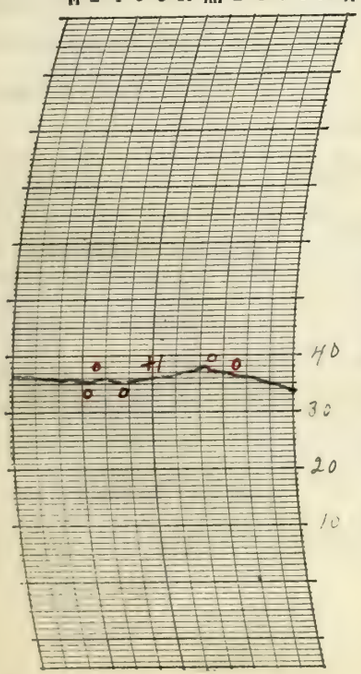
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
38	34	36	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.8
Per cent of possible sunshine, 0
Prevailing wind direction, N Total wind, 117
Average hourly velocity, 4.9 Extreme velocity, 7
Maximum velocity, 7 Direction, N
Time began, 2:05 A
Reduced barometer, 30.03 7 a. m. 30.07 7 p. m
River gage, +1.5 feet
Relative humidity, 100 7 a. m. 95 7 p. m.

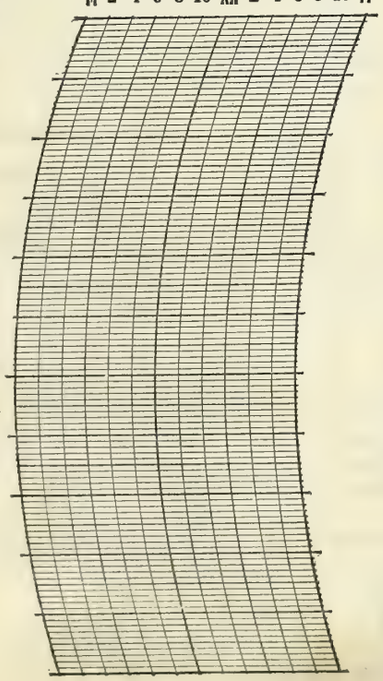
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 36.7 Wet temperature, 35.7
Dew-point, 35 R. humidity, 91 V. pressure, .203
Clouds: Amount, 10; Kind, St; Direction, N
Velocity of clouds (miles per hour)

THERMOGRAPH



THERMOGRAPH



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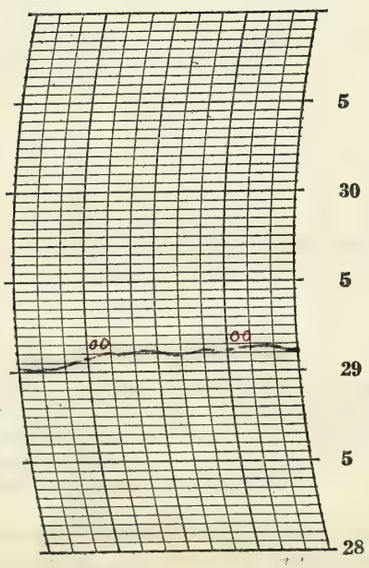


Prepared by L. C. S.

Verified by C. J. H

8—486

NOTES

* Hourly amounts estimated

The light fog continued from the 17th. Visibility poor until night. Mail plane unable to leave at 5:00 PM

Light mist and sprinkles occurred off and on during the day. A light but steady rain fell during the late afternoon and evening.

Visibility for driving poor after 5:00 PM into the night

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) FEB 19 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	34	34	34	33	33	33	33	32	33	34	36
Nature of precipitation and time of beginning and ending	R cld	RE DNA					SMB 6:35					
Amounts of precipitation	T	T					T	T	T	T	T	T
Cloudiness and other conditions							← Cloudy					
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	N	N	N	N	N	NW	NW	NW	NW	NW	NW	NW
Wind movement	3	5	5	5	6	5	5	5	8	8	7	8

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	35	34	34	34	34	34	34	33	33	32	32
Nature of precipitation and time of beginning and ending			SME 3:00P RB 3:00P					RE 8:00P SMB 8:00P				SM cntd
Amounts of precipitation	T	T	T	T	T	.01	T	T	T	.01	T	.01
Cloudiness and other conditions									→			
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	W	NW	NW	NW	NW	W	W	W	W	NW	NW	NW
Wind movement	9	9	7	5	7	6	6	6	8	7	8	6

Sunrise: Time, 6:30 Character, Cloudy
Moonrise:
Sunset: Time, 5:20 Character, Cloudy
Moonset:

State of weather.

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
36	32	34	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0.2 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .02 inches.
Character of day, Cl dy. Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.8
Per cent of possible sunshine, 0
Prevailing wind direction, NW Total wind, 153
Average hourly velocity, 6.4 Extreme velocity, 10
Maximum velocity, 10 Direction, NW
Time began, 11:00 A
Reduced barometer, 30.05 7 a. m. 30.03 7 p. m.
River gage, +1.6 feet
Relative humidity, 90 7 a. m. 100 7 p. m.

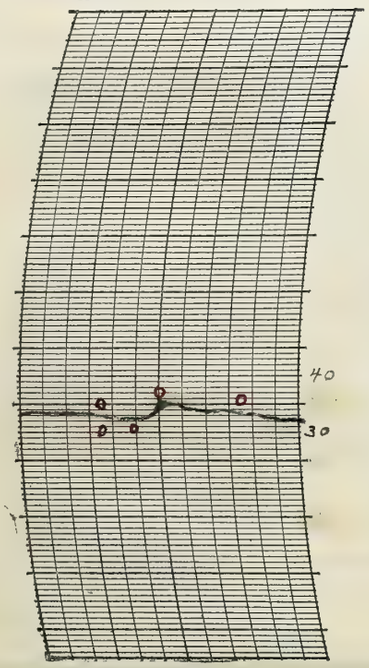
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

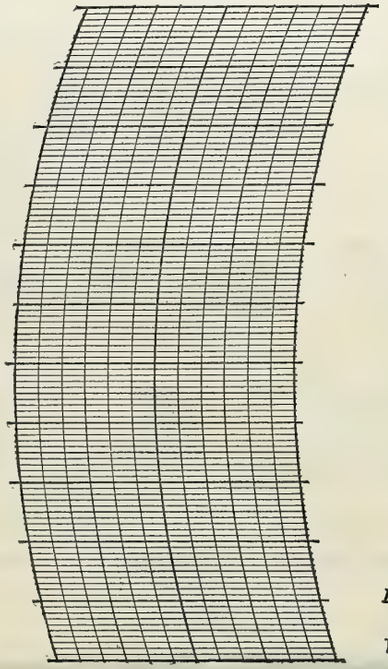
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 35.5 Wet temperature, 34.0
Dew-point, 30 R. humidity, 86 V. pressure, .164
Clouds: Amount, 10; Kind, St; Direction, NW
Velocity of clouds (miles per hour)

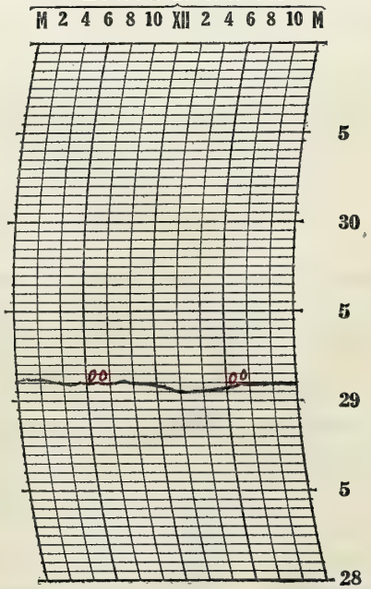
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by S. C. S.

Verified by E. S. H

NOTES

A threatening day with occasional light rain.
Visibility varied from ½ to 2 miles.
Visibility at night set down some by snow flurries.
Streets slippery after 5:00 P.M the rest of the night.
Very light slush on streets after 9:00 P.M
* Hourly amounts estimated

2—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) FEB 20 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	32	31	31	31	31	31	31	32	32	33	33	34	35	36	35	35	35	35	34	34	34	34	33
State of weather: Nature of precipitation and time of beginning and ending	SM Cntd												SME 12:35				SOO 4:30 SOE 4:40							
Amounts of precipitation	T	T	T	T	.01	T	T	T	T	T	T	T	T				T							
Cloudiness and other conditions							←					Cloudy												→
Sunshine (in tenths of hours)							0	0	0	0	0.1	0.2	0	0	0	0	0	0						
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	N
Wind movement	7	7	7	6	6	8	7	7	8	10	10	10	11	10	10	9	8	7	7	7	6	7	8	6

Sunrise: Time, 6:29 Character, Cloudy
Moonrise:
Sunset: Time, 5:21 Character, Cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
						Accumulated depths during excessive rate, for consecutive periods of time indicated below.													

Excessive precipitation, accumulated amounts

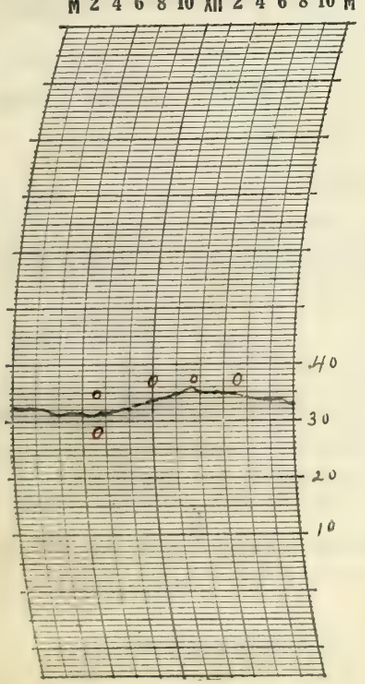
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
36	31	34	

Total depth of snow for 24 hours ending 7 p. m., 0.3 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0.1 inches.
Precipitation to 7 a. m., .03 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.3 Possible sunshine, hours, 10.9
Per cent of possible sunshine, 3
Prevailing wind direction, NW Total wind, 189
Average hourly velocity, 7.9 Extreme velocity, 13
Maximum velocity, 13 Direction, NW
Time began, 12:16 P
Reduced barometer, 30.08 a. m. 30.16 p. m.
River gage, +1.6 feet
Relative humidity, 89 a. m. 80 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 33.0 Wet temperature, 32.0
Dew-point, 31 R. humidity, 90 V. pressure, .172
Clouds: Amount, 8; Kind, Stm; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH



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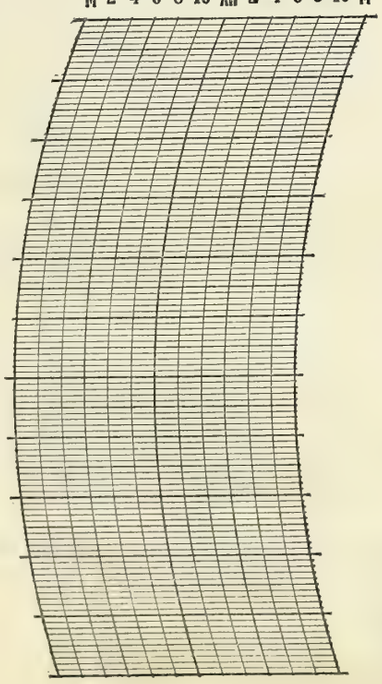
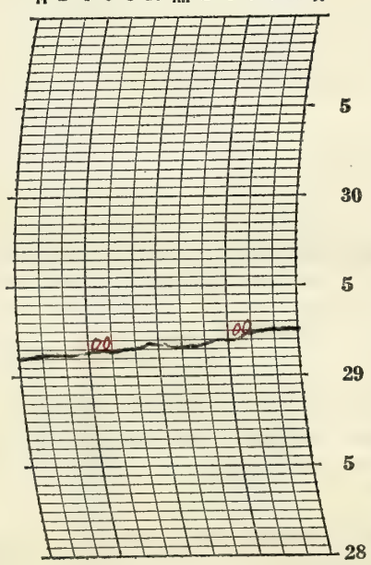


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

* Hourly amounts estimated

a Cloudy day. Streets and sidewalks were mushy and slippery to noon as a result of the snow that continued from the 19th.

Visibility impaired to 12:35 PM as result of snow flurries which continued throughout the morning

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) FEB 21 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	32	32	32	32	32	32	32	32	33	34	36	36	37	37	38	38	38	37	36	35	34	34	33
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←					Cloudy						Cloudy & Clear			→			
Sunrise: Time, 6:27 Character, Cloudy																					Sunset: Time, 5:22 Character, Cloudy			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0	0						
Wind direction	N	N	N	N	N	N	N	N	N	N	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	W	W	W	SW
Wind movement	5	6	5	5	4	4	3	3	3	3	4	5	4	6	6	6	7	3	2	5	3	6	3	5
Maximum velocities (exceeding 24 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

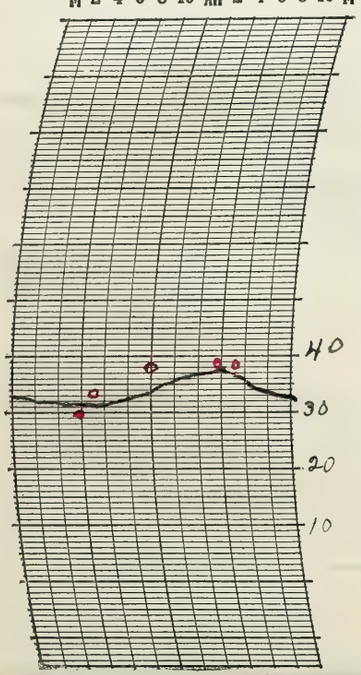
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
38	32	35	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.9
Per cent of possible sunshine, 0
Prevailing wind direction, N Total wind, 106
Average hourly velocity, 4.4 Extreme velocity, 8
Maximum velocity, 8 Direction, NW
Time began, 4:41 P
Reduced barometer, 30.29 7 a. m. 30.28 7 p. m.
River gage, +1.7 ~~Foot~~
Relative humidity, 85 7 a. m. 77 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 35.5 Wet temperature, 32.5
Dew-point, 28 R. humidity, 73 V. pressure, .150
Clouds: Amount, 10; Kind, ast; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH



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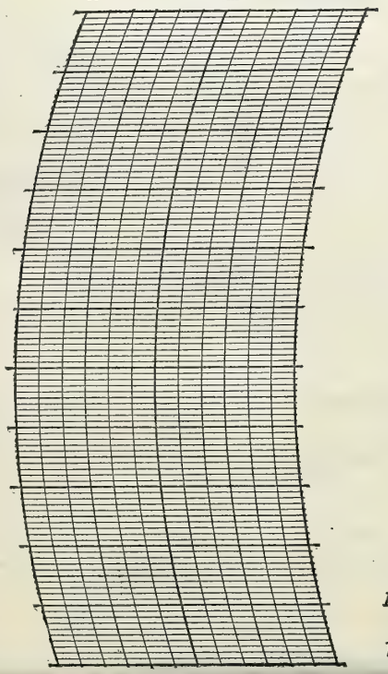
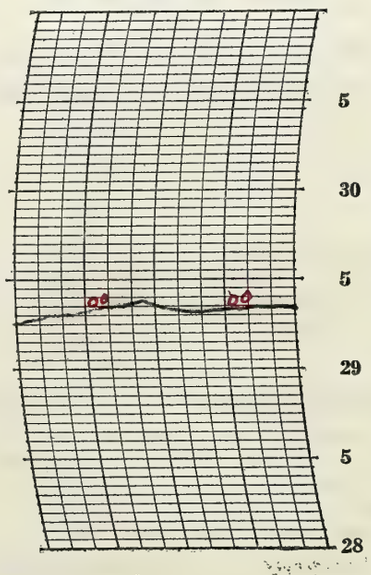


BAROGRAPH.



Prepared by L. C. S.

Verified by E. S. H

8—486

NOTES

a cloudy day with no precipitation.
Streets and sidewalks dry.
Visibility good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) FEB 22 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	33	33	33	33	32	31	31	32	37	40	43	45	46	46	46	45	45	44	44	44	41	38	37
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions												Clear	Pt Cldy											
Sunshine (in tenths of hours)							.57 0	0.5 0.5	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.3	0	0						
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W	W	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	E
Wind movement	6	6	7	5	5	4	5	5	6	8	9	7	7	7	6	5	5	3	4	3	2	4	5	5
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 6:26 Character, Clear
Moonrise: ____ ____

Sunset: Time, 5:24 Character, Cloudy
Moonset: ____ ____

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

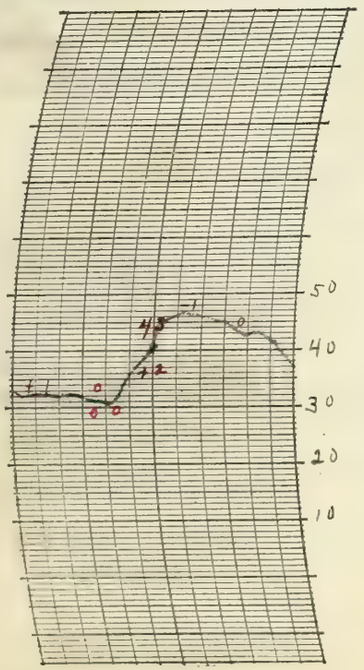
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
46	31	38	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase, ____
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 8.8 Possible sunshine, hours, 11.0
Per cent of possible sunshine, 80
Prevailing wind direction, SWt NW Total wind, 129
Average hourly velocity, 5.4 Extreme velocity, 11
Maximum velocity, 11 Direction, W
Time began, 10:18 A
Reduced barometer, 30.29 a. m. 30.20 p. m.
River gage, +1.7 feet
Relative humidity, 89 a. m. 68 p. m.

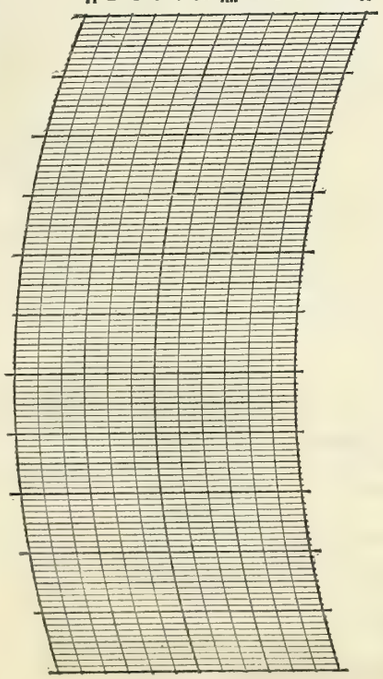
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 43.0 Wet temperature, 38.0
Dew-point, 31 R. humidity, 63 V. pressure, .172
Clouds: Amount, 3; Kind, Ci; Direction, W
Velocity of clouds (miles per hour) ____

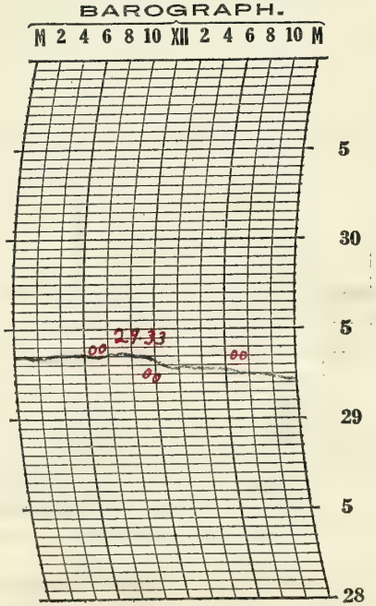
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

a part cloudy beautiful day
Sidewalks and streets dry
Visibility good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) FEB 23 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	35	34	34	35	34	34	34	35	36	39	41	42	44	42	41	41	39	39	37	36	35	34	34
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Cloudy								Pt Cloudy	Cloudy						→			
Sunshine (in tenths of hours)							0	0	0	0	0.8	1.0	1.0	1.0	0.1	0	0	0						
Wind direction	NE	NE	NE	E	E	E	E	E	E	E	E	E	E	E	E	NE	NE	NE	E	E	NE	NE	E	NE
Wind movement	6	5	5	5	5	5	6	6	7	5	6	5	6	5	5	9	7	7	8	7	5	7	6	6
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 6:24 Character, Cloudy
Moonrise:

Sunset: Time, 5:25 Character, Cloudy
Moonset:

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

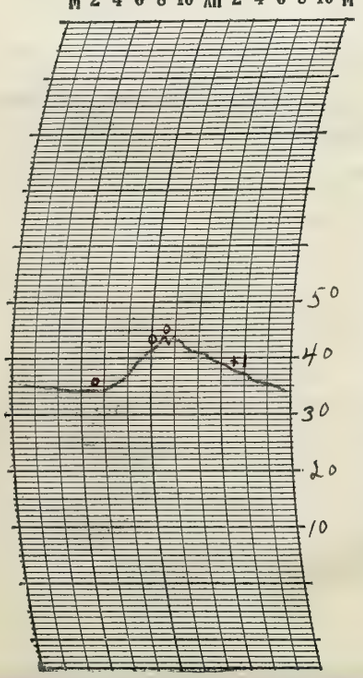
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
44	34	39	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 3.9 Possible sunshine, hours, 11.0
Per cent of possible sunshine, 35
Prevailing wind direction, E Total wind, 144
Average hourly velocity, 6.0 Extreme velocity, 11
Maximum velocity, 11 Direction, NE
Time began, 3:21 P
Reduced barometer, 30.14 a. m. 30.09 p. m.
River gage, +1.5 ~~Feet~~
Relative humidity, 90 a. m. 78 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 41.0 Wet temperature, 38.0
Dew-point, 34 R. humidity, 77 V. pressure, .195
Clouds: Amount, 8; Kind, a cu; Direction, E
Velocity of clouds (miles per hour)

THERMOGRAPH



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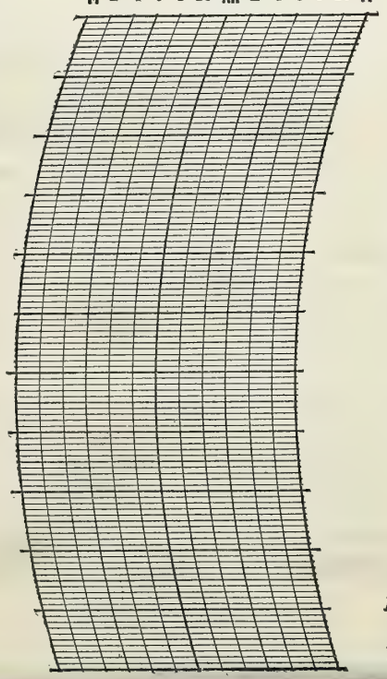
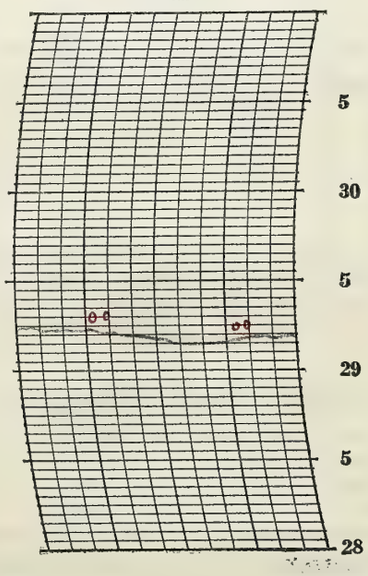


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

NOTES

a Cloudy day. No precipitation
Streets and sidewalks dry
Visibility good.

3—436

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) FEB 24 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	33	32	32	31	31	30	30	32	33	33	34	35	37	38	38	38	36	36	33	32	30	29	28
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Cloudy						← Clear									→		
Sunrise: Time, 6:23 Character, Cloudy																					Sunset: Time, 5:26 Character, Clear			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)							0	0	0	0.1	0	0	1.0	1.0	1.0	1.0	0.1 0.9	H3 0						
Wind direction	E	E	E	E	E	E	E	E	NE	NE	NE	E	E	NE	NE	NE	NE	NE	NE	NE	NE	E	E	E
Wind movement	6	6	5	5	6	4	5	5	6	7	6	6	4	5	6	7	8	8	6	7	5	7	6	7
Maximum velocities (exceeding 24 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
38	28	33	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt cloudy Moon phase,

Average daily cloudiness (0-10), 6

Actual sunshine, hours, 5.5 Possible sunshine, hours, 11.0

Per cent of possible sunshine, 50

Prevailing wind direction, E Total wind, 143

Average hourly velocity, 6.0 Extreme velocity, 10

Maximum velocity, 10 Direction, NE

Time began, 5:01 P

Reduced barometer, 30.12 7 a. m. 30.05 7 p. m.

River gage, +1.5 Feet

Relative humidity, 77 7 a. m. 75 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

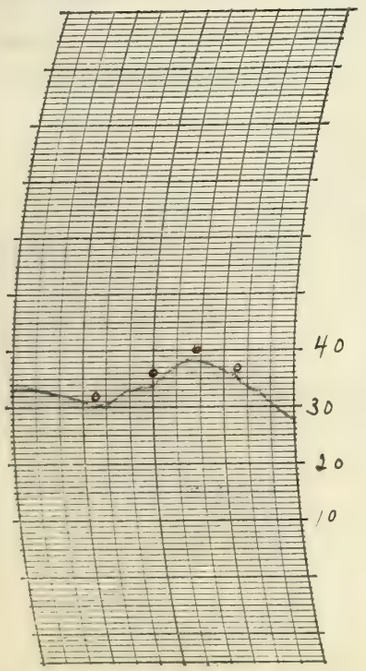
Dry temperature, 34.0 Wet temperature, 31.0

Dew-point, 27 R. humidity, 72 V. pressure, .143

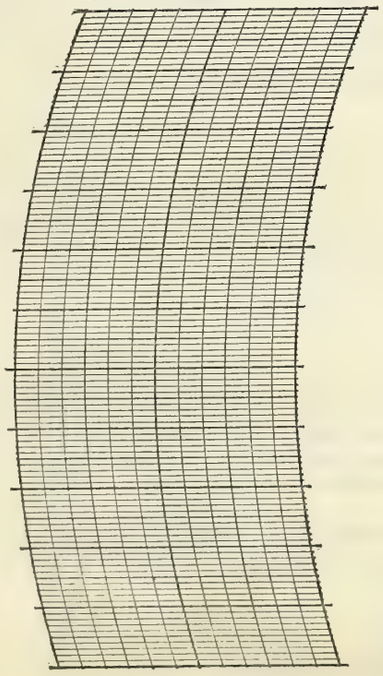
Clouds: Amount, 4 (H); Kind, St. Cu (a Cu); Direction, E

Velocity of clouds (miles per hour)

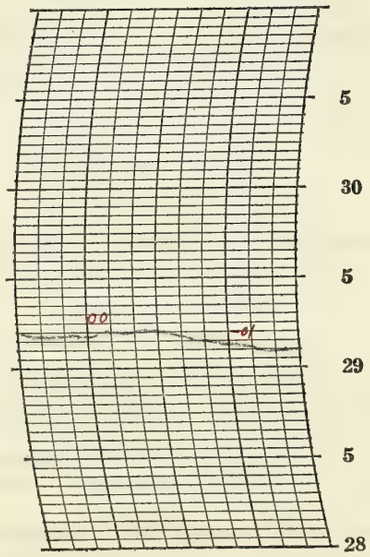
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. J. H.

8—486

NOTES

a part cloudy day. Streets and sidewalks dry.
No precipitation. Visibility good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) FEB 25 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	27	27	26	26	25	24	24	27	32	36	40	44	46	47	50	50	48	48	42	38	37	38	36	34
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions												Clear												
Sunshine (in tenths of hours)							.65 0	0.2 0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3 0.7	.45 0						
Wind direction	E	E	E	E	NE	N	N	N	N	NE	NE	NE	N	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	6	3	2	3	3	5	5	6	5	5	4	4	4	5	4	5	7	3	11	13	14	12	10	6
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 6:24 Character, Clear
Moonrise:

Sunset: Time, 5:27 Character, Clear
Moonset:

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

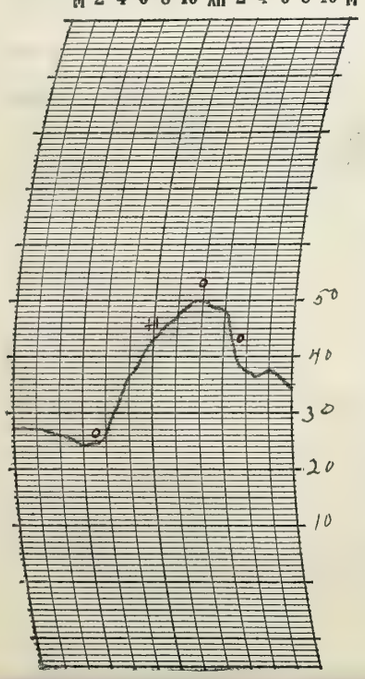
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
50	24	37	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 11.1 Possible sunshine, hours, 11.1
Per cent of possible sunshine, 100
Prevailing wind direction, NW Total wind, 145
Average hourly velocity, 6.0 Extreme velocity, 18
Maximum velocity, 17 Direction, NW
Time began, 7:58 P
Reduced barometer, 30.08 7 a. m. 30.07 7 p. m.
River gage, +1.3 feet
Relative humidity, 71 7 a. m. 78 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 43.5 Wet temperature, 36.2
Dew-point, 25 R. humidity, 48 V. pressure, .130
Clouds: Amount, 2; Kind, Ci; Direction, N
Velocity of clouds (miles per hour)

THERMOGRAPH



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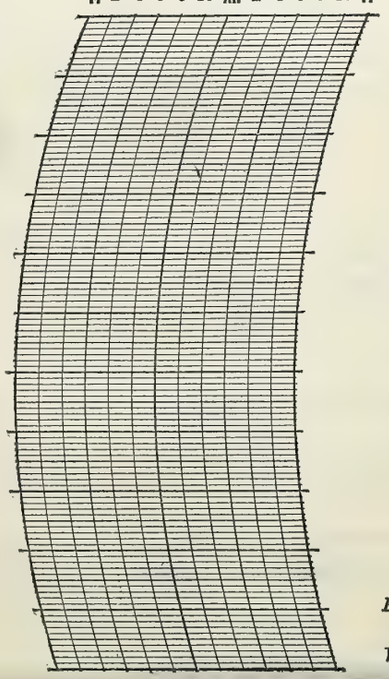
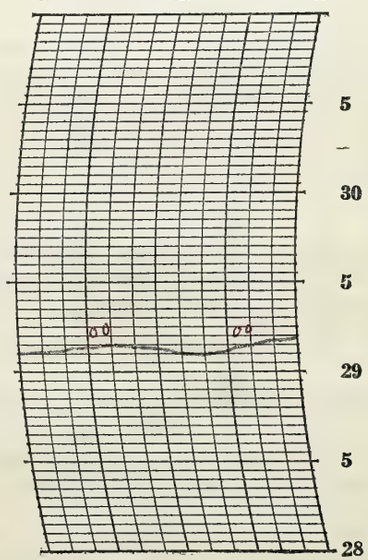


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H

NOTES

Clear beautiful day, clear at night

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Thursday, (Date) FEB 26 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	32	31	31	31	30	29	30	31	36	38	39
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Cloudy					Pt Cloudy →	
Sunshine (in tenths of hours)							0	0	0.5	1.0	1.0	1.0
Wind direction	NW	NW	W	W	W	W	W	NW	NW	NW	NW	NW
Wind movement	5	4	8	5	4	3	5	8	7	8	7	9

Sunrise: Time, 6:20 Character, Foggy

Moonrise:

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	39	42	42	43	42	40	40	37	37	34	33	32
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					← Clear					→		
Sunshine (in tenths of hours)	1.0	1.0	0.9	1.0	0.9	47 0						
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	N	N	N
Wind movement	8	7	10	8	8	5	3	3	3	4	4	5

Sunset: Time, 5:28 Character, Clear

Moonset:

Maximum velocities (exceeding 2.6 miles) direction and time

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
43	29	36	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10), 5

Actual sunshine, hours, 8.4 Possible sunshine, hours, 11.1

Per cent of possible sunshine, 79

Prevailing wind direction, NW Total wind, 141

Average hourly velocity, 5.9 Extreme velocity, 12

Maximum velocity, 12 Direction, NW

Time began, 2:35 P

Reduced barometer, 30.20 7 a. m. 30.25 7 p. m

River gage, +1.1 feet

Relative humidity, 94 7 a. m. 50 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

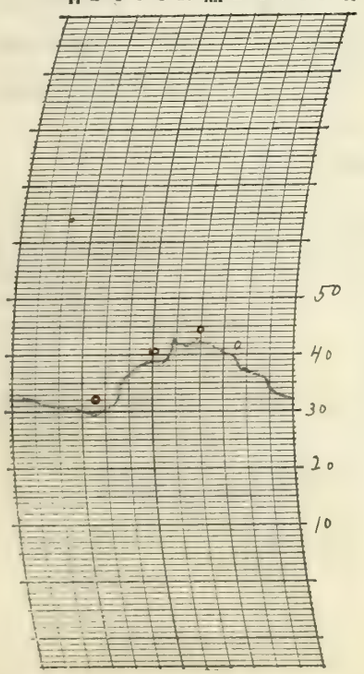
Dry temperature, 39.0 Wet temperature, 36.0

Dew-point, 32 R. humidity, 76 V. pressure, 180

Clouds: Amount, 3 (a 3); Kind, Stcu (cu); Direction, NW (NW)

Velocity of clouds (miles per hour)

THERMOGRAPH



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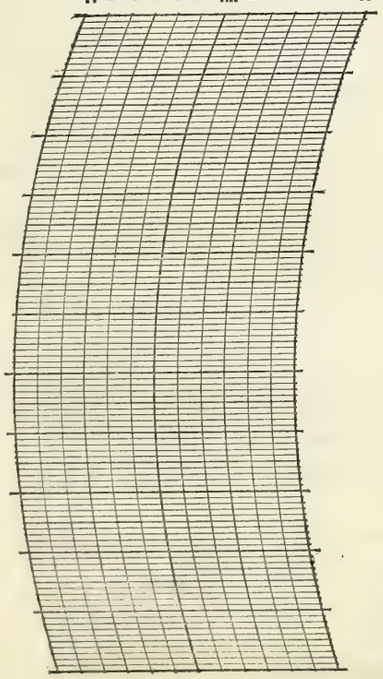
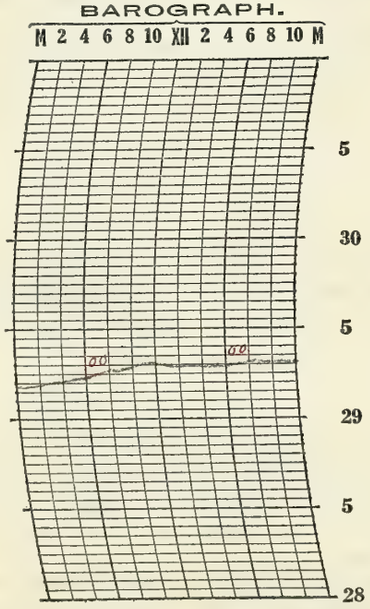


BAROGRAPH.



Prepared by E. C. S.

Verified by E. J. H.

8—486

NOTES

a part cloudy day with no precipitation.
Streets and sidewalks dry.
Visibility poor to 8:45 A.M. as result of fog.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Friday, (Date) FEB 27 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	31	31	30	29	28	28	31	36	39	42	44	45	46	47	48	47	46	44	42	41	40	39	38
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←					Clear									→			
Sunshine (in tenths of hours)							.6 0	0.2 0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.4 0						
Wind direction	NE	NE	E	E	E	E	E	E	E	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	5	5	7	7	7	8	8	8	8	13	13	15	14	13	14	13	13	10	9	12	11	12	9	6

Sunrise: Time, 6:19 Character, Clear

Moonrise: ——— ———

Sunset: Time, 5:29 Character, Clear

Moonset: ——— ———

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
48	27	38	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 1

Actual sunshine, hours, 11.2 Possible sunshine, hours, 11.2

Per cent of possible sunshine, 100

Prevailing wind direction, SE Total wind, 240

Average hourly velocity, 10.0 Extreme velocity, 18

Maximum velocity, 17 Direction, SE

Time began, 11:32 A.

Reduced barometer, 30.25 7 a. m. 30.07 7 p. m.

River gage, +1.1 feet

Relative humidity, 66 7 a. m. 52 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

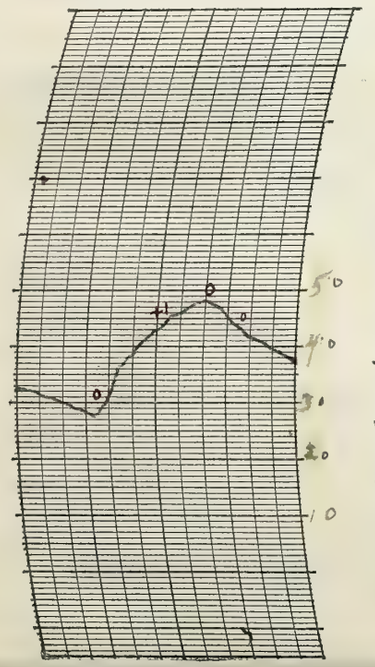
Dry temperature, 44.0 Wet temperature, 36.4

Dew-point, 26 R. humidity, 46 V. pressure, .136

Clouds: Amount, 1; Kind, Cu; Direction, E

Velocity of clouds (miles per hour)

THERMOGRAPH



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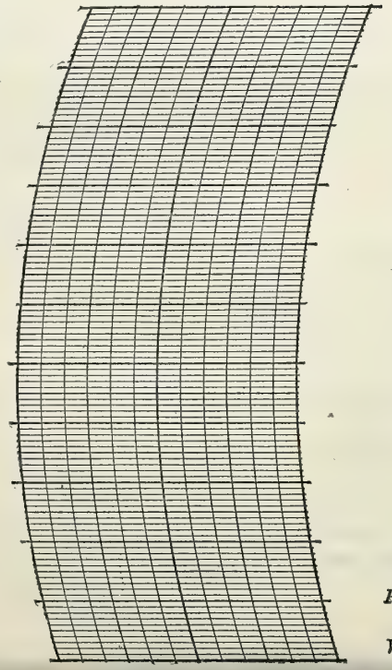
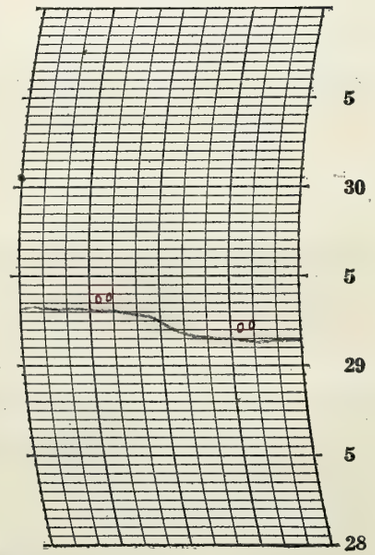


BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.H

NOTES

Clear beautiful day. Streets and sidewalks dry.
Visibility good.

3—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) FEB 28 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	37	37	37	36	35	35	34	35	40	46	53	55
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Pt Cldy		Clear			Pt Cldy
Sunshine (in tenths of hours)							.72 0	0.6 0.4	1.0	1.0	1.0	1.0
Wind direction	S	S	S	S	S	S	S	S	S	S	S	SW
Wind movement	9	10	9	7	5	5	5	7	7	5	4	5

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	57	59	58	58	56	50	46	44	43	42	39	38
State of weather: Nature of precipitation and time of beginning and ending												S-MB O-N.P.
Amounts of precipitation												T
Cloudiness and other conditions			Pt Cldy		Cloudy							
Sunshine (in tenths of hours)	1.0	1.0	0.9	0	0	0						
Wind direction	W	W	W	N	N	N	N	N	N	N	N	N
Wind movement	4	3	5	4	7	12	13	12	13	14	12	14

Sunrise: Time, 6:12 Character, Clear

Moonrise:

Sunset: Time, 5:34 Character, Cloudy

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
59	34	46	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10), 5

Actual sunshine, hours, 8.6 Possible sunshine, hours, 11.2

Per cent of possible sunshine, 77

Prevailing wind direction, S Total wind, 191

Average hourly velocity, 8.0 Extreme velocity, 18

Maximum velocity, 17 Direction, N

Time began, 6:12 P

Reduced barometer, 30.08 7 a. m. 30.01 7 p. m

River gage, + 0.9 feet

Relative humidity, 76 7 a. m. 72 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

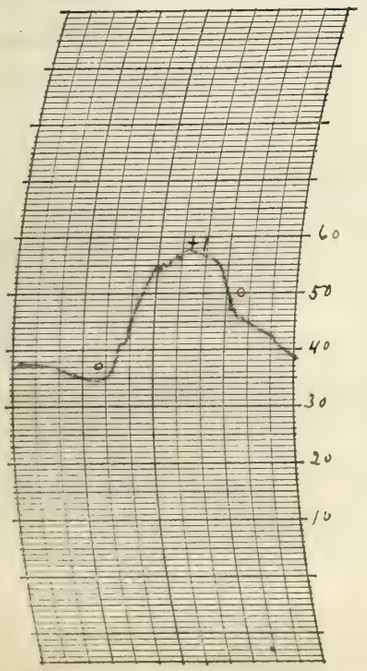
Dry temperature, 55.3 Wet temperature, 45.3

Dew-point, 34 R. humidity, 44 V. pressure, .195

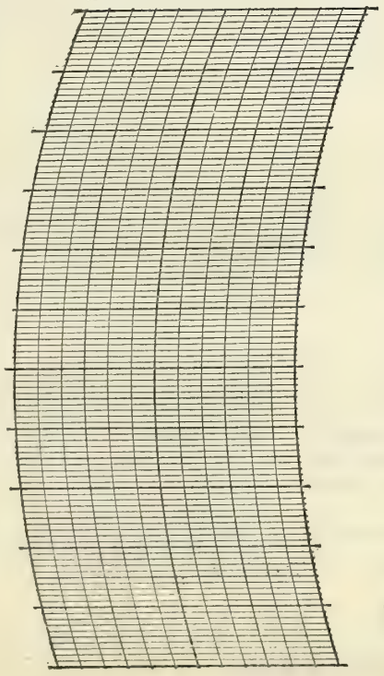
Clouds: Amount, 3; Kind, Ci; Direction, W

Velocity of clouds (miles per hour)

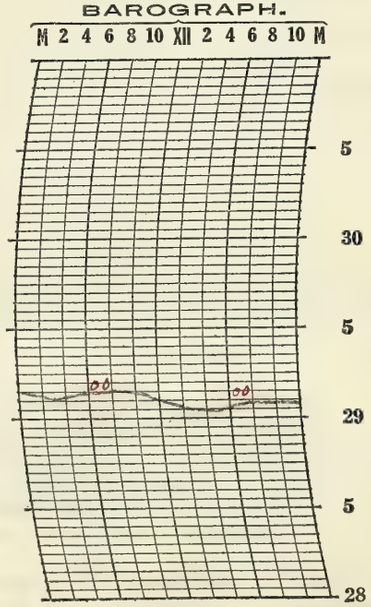
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. J. H.

8—486

NOTES

The warmest day of the month.
a partly cloudy morning followed
by a partly cloudy to cloudy afternoon
High clouds most of the time with
sun shining through
a 22 degree halo occurred
during the early evening

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAR 1 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	37	35	33	33	30	29	29	28	28	29	30	32	32	34	38	37	35	34	32	30	28	27	26	25
State of weather: Nature of precipitation and time of beginning and ending	SM cutH	SME D.N.A.																						
Amounts of precipitation	T	T																						
Cloudiness and other conditions							←				Cloudy		Pt Cloudy	X		Clear				→				
Sunshine (in tenths of hours)							0	0	0	0	0.1	1.0	1.0	1.0	1.0	1.0	0.1 0.9	.53 0						
Wind direction	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	14	15	13	15	15	16	13	16	13	13	17	13	15	13	12	12	10	9	5	9	10	8	7	7
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 6:15; Character, Cloudy. Moonrise:

Sunset: Time, 5:32; Character, Clear. Moonset:

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
38	25	32	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 6.6 Possible sunshine, hours, 11.3
Per cent of possible sunshine, 58
Prevailing wind direction, N Total wind, 287
Average hourly velocity, 12.0 Extreme velocity, 19
Maximum velocity, 18 Direction, N
Time began, 5:06 A.
Reduced barometer, 30.13 7 a. m. 30.14 7 p. m.
River gage, +0.5 feet
Relative humidity, 72 7 a. m. 60 7 p. m.

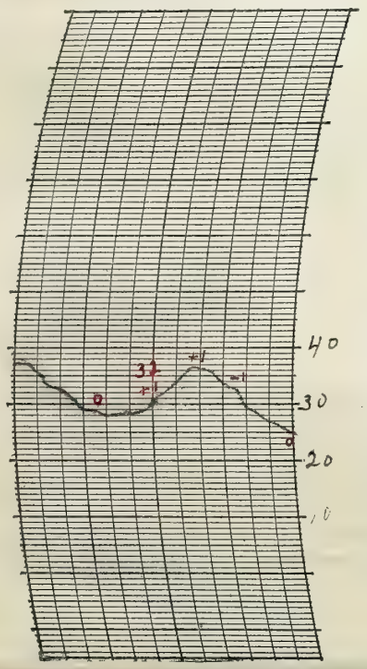
Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

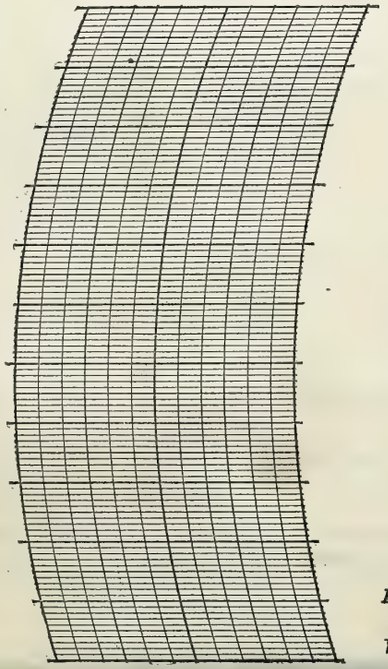
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 32.0 Wet temperature, 28.5
Dew-point, 23 R. humidity, 65 V. pressure, .118
Clouds: Amount, 2; Kind, Cu; Direction, N
Velocity of clouds (miles per hour)

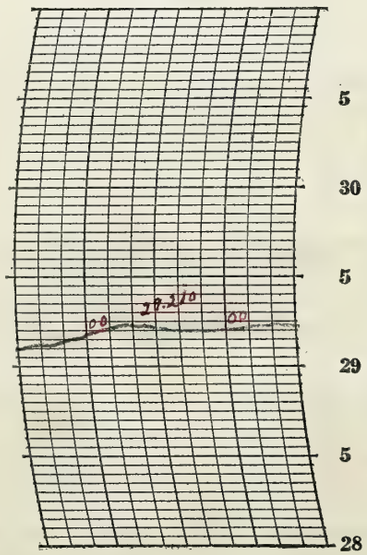
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by E.J.H

8—486

NOTES

Cloudy morning followed by partly cloudy to clear afternoon. The north wind made the day seem much colder than it was. A wet snow occurred in the early morning, but it was not enough to make the streets slippery.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAR 2 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	24	23	23	22	22	22	23	24	28	29	31	34	35	36	37	38	38	37	35	33	33	33	33	33
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Pt Cloudy →						← Cloudy →											
Sunshine (in tenths of hours)							0	0.2	1.0	1.0	1.0	1.0	1.0	0.9	0	0	0	0						
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	SW	SW	W	W	W	W	W	W	SW	W	W	W	W	W	W	W
Wind movement	6	8	6	5	4	2	1	3	5	6	7	9	8	9	6	6	5	6	5	5	5	5	3	2
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 6.14 Character, Cloudy
Moonrise:
Sunset: Time, 5:33 Character, Cloudy
Moonset:

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

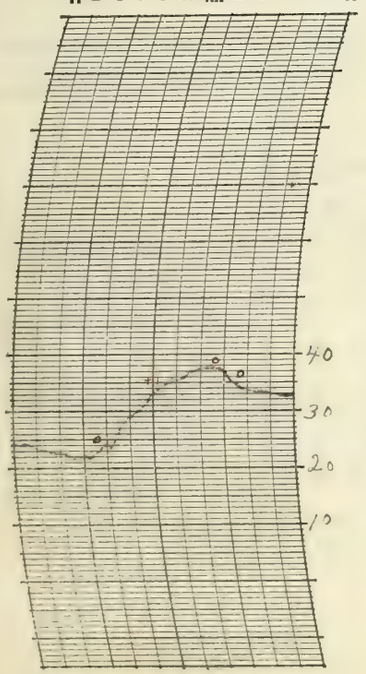
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
38	22	30	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 6.1 Possible sunshine, hours, 11.3
Per cent of possible sunshine, 54
Prevailing wind direction, W Total wind, 127
Average hourly velocity, 5.3 Extreme velocity, 11
Maximum velocity, 11 Direction, W
Time began, 12:18 P
Reduced barometer, 30.14 a. m. 29.94 p. m
River gage, +0.7 feet
Relative humidity, 66 a. m. 63 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 33.8 Wet temperature, 29.0
Dew-point, 21 R. humidity, 55 V. pressure, 30.8
Clouds: Amount, 9; Kind, St Cu; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH



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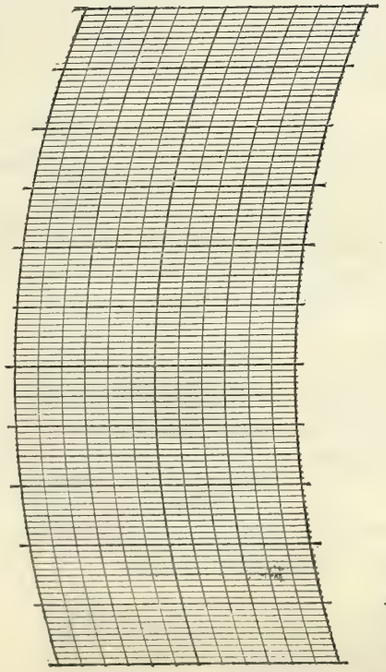
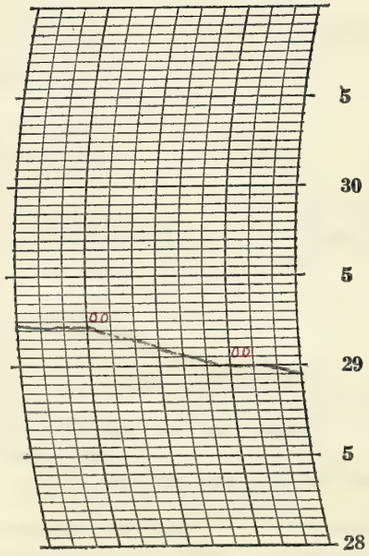


BAROGRAPH.



Prepared by L. C. S

Verified by

8—486

NOTES

a cloudy day Visibility good.
Streets and sidewalks dry

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAR 3 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	32	32	31	31	31	30	30	30	31	33	38	38	39	38	36	37	37	37	36	33	32	32	31
State of weather: Nature of precipitation and time of beginning and ending										SDB 9:15	SDE 11:00									SDB 7:45				SP ended
Amounts of precipitation										T	T									T	.01	.01	.01	.01
Cloudiness and other conditions												Cloudy												
Sunshine (in tenths of hours)							0	0	0	0	0.5	1.0	1.0	0.1	0	0	0	0						
Wind direction	W	W	W	E	E	E	E	E	E	E	SE	SW	SW	W	W	SW	SW	SW	SW	SW	SW	S	SE	SE
Wind movement	1	1	3	4	4	5	4	3	5	5	5	5	6	7	6	5	5	4	3	3	6	6	4	3

Sunrise: Time, 6:12 Character, Cloudy
Moonrise:
Sunset: Time, 5:34 Character, Cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

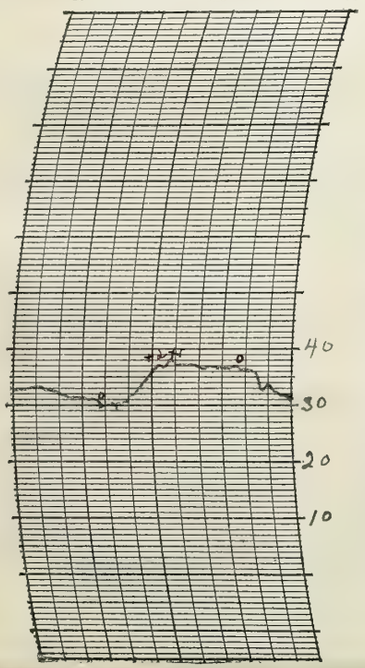
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
39	30	34	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0.6 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .04 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 2.6 Possible sunshine, hours, 11.4
Per cent of possible sunshine, 23
Prevailing wind direction, SW Total wind, 103
Average hourly velocity, 4.3 Extreme velocity, 8
Maximum velocity, 8 Direction, SW
Time began, 1:30 P
Reduced barometer, 29.78 7 a. m. 29.66 7 p. m.
River gage, +0.51 feet
Relative humidity, 78 7 a. m. 64 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 37.5 Wet temperature, 32.5
Dew-point, 25 R. humidity, 58 V. pressure, .136
Clouds: Amount, 4; Kind, Strat cu; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH



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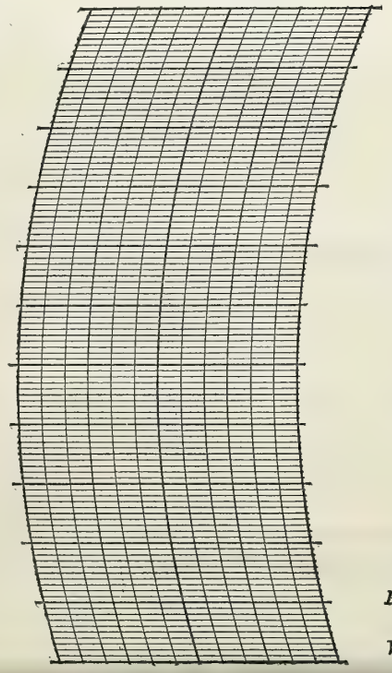
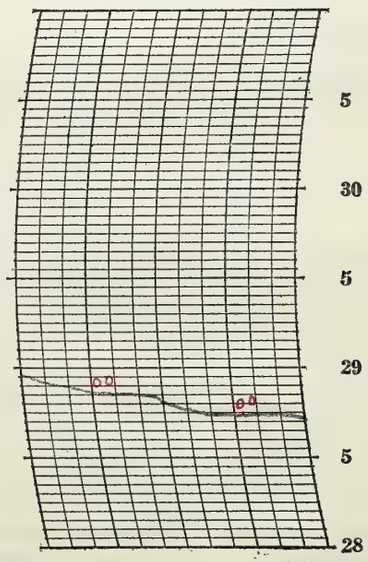


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H

NOTES

A few flakes of light snow fell during the morning and light fluffy snow occurred during the evening and continued till after midnight.

* Hourly amounts estimated

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAR 4 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	31	31	31	31	31	31	29	29	29	29	28	32
Nature of precipitation and time of beginning and ending	S cntd			S DE D.NR.					S OB 8:35			S DE 11:55
Amounts of precipitation	.01	.01	T	T					T	.01	T	T
Cloudiness and other conditions											Cloudy	

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	34	34	35	35	34	34	32	31	30	29	29
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions								X	clear			

Sunrise: Time, 6:10 Character, Cloudy

Moonrise:

Sunset: Time, 5:35 Character, Cloudy

Moonset:

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)							0	0	0	0	0.4	1.0
Wind direction	SE	SE	SE	SE	SE	SE	SE	NW	NW	N	NW	NW
Wind movement	2	2	1	3	2	2	4	5	6	8	8	8
Maximum velocities (exceeding 24 miles) direction and time												

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)	0.4	0	0	0	0	0						
Wind direction	NW	NW	W	W	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	8	9	11	9	7	7	7	6	5	4	7	6

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
35	28	32	

Total depth of snow for 24 hours ending 7 p. m., 1.1 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0.5 inches.

Precipitation to 7 a. m., .06 ins.; to 7 p. m., .01 ins.

Total precipitation, midnight to midnight, .03 inches.

Character of day, Cloudy, Moon phase,

Average daily cloudiness (0-10), 9

Actual sunshine, hours, 1.4 Possible sunshine, hours, 11.4

Per cent of possible sunshine, 16

Prevailing wind direction, NW Total wind, 137

Average hourly velocity, 5.7 Extreme velocity, 13

Maximum velocity, 13 Direction, W

Time began, 2:48 P

Reduced barometer, 29.64 7 a. m. 29.83 7 p. m

River gage, + 0.7 feet

Relative humidity, 94 7 a. m. 72 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

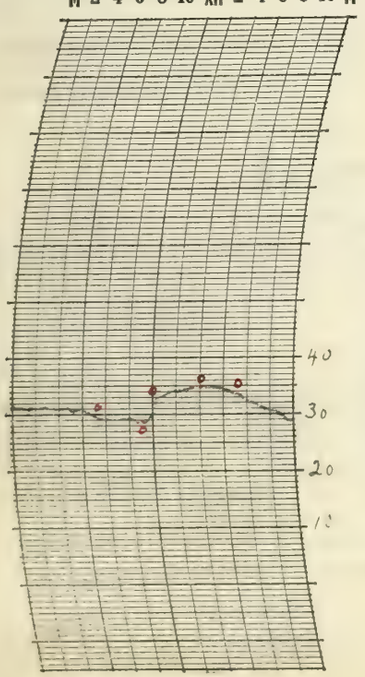
Dry temperature, 32.5 Wet temperature, 32.0

Dew-point, 32 R. humidity, 95 V. pressure, .180

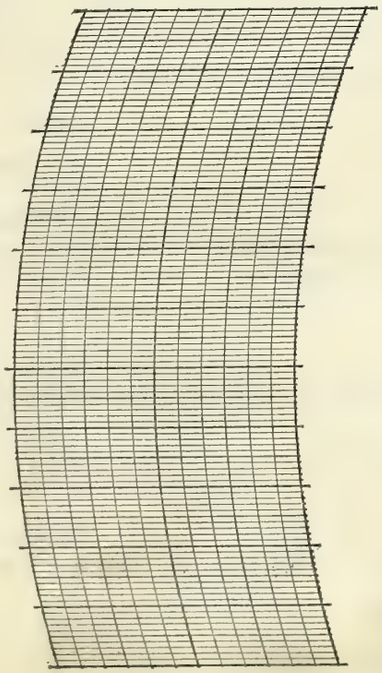
Clouds: Amount, 8; Kind, St Cu; Direction, NW

Velocity of clouds (miles per hour)

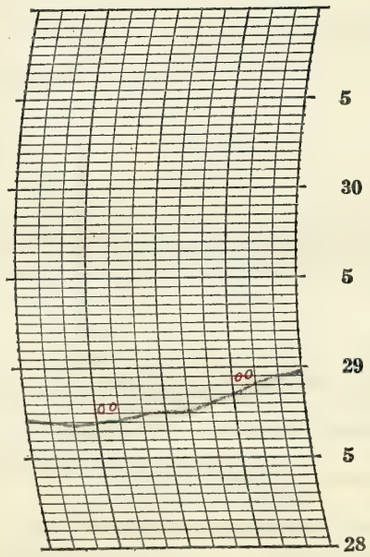
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. J. H

8—486

NOTES

Cloudy from sunrise to sunset, clearing at 8 P.M.

Snow fell throughout forenoon, melting about as rapidly as it fell. Streets did not become slippery as a result.

X Hourly amounts estimated

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAR 5 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	28	27	27	26	26	27	28	28	31	32	33	34
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							~~Cloudy~~	~~Cloudy~~	~~Pt cldy~~	~~Clear~~		Cloudy
Sunshine (in tenths of hours)							0	0.2	1.0	0.5	0.1	0
Wind direction	NW	W	W	W	W	W	W	W	W	W	W	W
Wind movement	6	5	4	5	4	3	4	4	4	6	8	9

Sunrise: Time, 6:09 Character, cloudy

Moonrise:

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	34	36	35	33	31	31	30	29	28	28	27
Nature of precipitation and time of beginning and ending	S D B 12:40	S D E 1:15			S D B 4:25		S D E 6:35					
Amounts of precipitation	T	T			T	T	T					
Cloudiness and other conditions	Cloudy	Pt cldy			Cloudy				Clear			
Sunshine (in tenths of hours)	0	0.8	1.0	0	0	0						
Wind direction	NW	W	W	W	NW	W	W	W	NW	NW	NW	W
Wind movement	8	9	8	9	10	8	5	6	6	5	5	5

Sunset: Time, 5:36 Character, cloudy

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
36	26	31	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow, sleet, and hail on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Pt cloudy Moon phase,

Average daily cloudiness (0-10), 7

Actual sunshine, hours, 3.6 Possible sunshine, hours, 11.4

Per cent of possible sunshine, 32

Prevailing wind direction, W Total wind, 146

Average hourly velocity, 6.1 Extreme velocity, 12

Maximum velocity, 12 Direction, W

Time began, 3:50 P

Reduced barometer, 30.07 7 a. m. 30.10 7 p. m.

River gage, +0.7 feet

Relative humidity, 88 7 a. m. 84 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

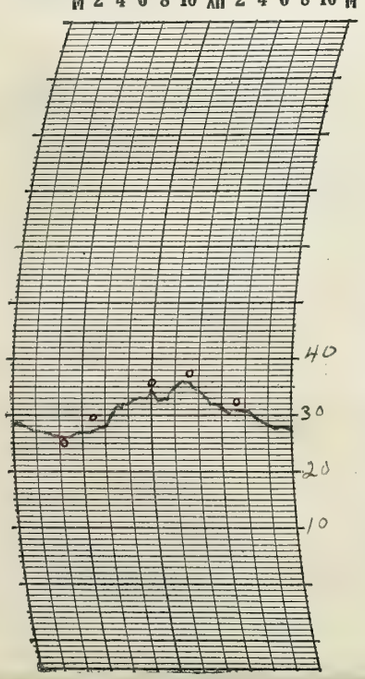
Dry temperature, 34.0 Wet temperature, 28.8

Dew-point, 19 R. humidity, 51 V. pressure, .098

Clouds: Amount, 9; Kind, St cu; Direction, W

Velocity of clouds (miles per hour)

THERMOGRAPH



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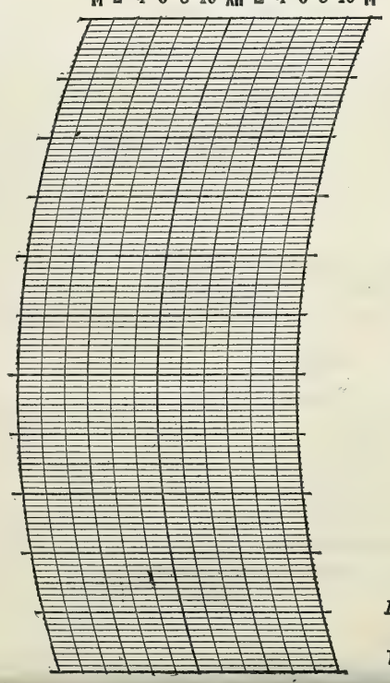

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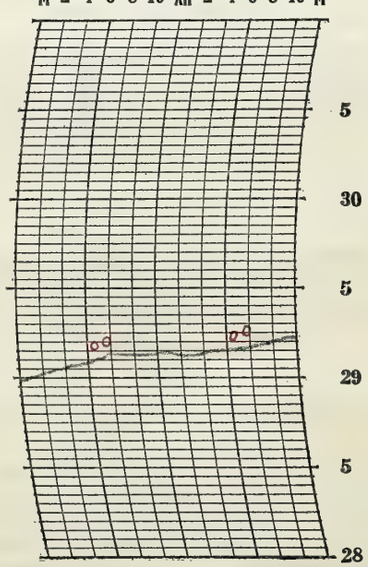


Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

The sky was overcast most of the day but the sun did shine through broken upper clouds for short periods.

Flying conditions were favorable and ships left and arrived at the port on time. Snow was so light that the streets were never wet and visibility good.

Snow did not bother on windshields.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) MAR 6 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	27	26	26	26	27	27	27	27	28	30	31	33	34	35	36	36	37	36	34	33	32	32	30	30
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←			Cloudy			→	Pt Cldy	Cldy	Pt Cldy	Clear	→						
Sunshine (in tenths of hours)							.8 8 0	0.1 0	0	0	0	0.1	0.3	0.8	1.0	0.2	0	0						
Wind direction	W	W	W	NW	N	N	NE	E	E	NE	E	E	E	E	E	E	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	4	3	5	3	4	5	5	6	5	6	6	7	7	7	7	8	6	7	9	8	10	[illegible]	10	10
Maximum velocities (exceeding 21 miles) direction and time																								

Sunrise: Time, 6:07 Character, Clear
Moonrise:
Sunset: Time, 5:37 Character, Cloudy
Moonset:

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

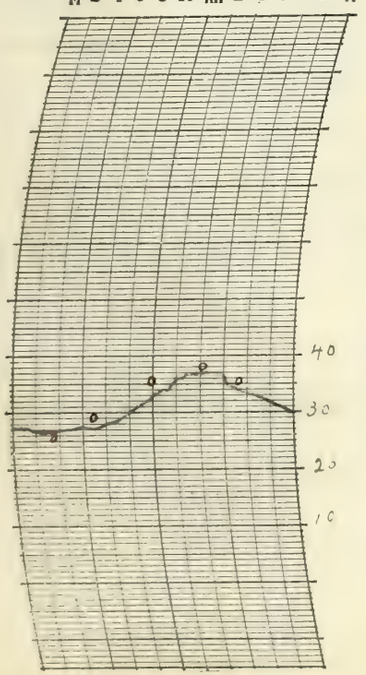
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
37	26	32	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 3.4 Possible sunshine, hours, 11.5
Per cent of possible sunshine, 30
Prevailing wind direction, NE Total wind, 157
Average hourly velocity, 6.5 Extreme velocity, 12
Maximum velocity, 12 Direction, E
Time began, 10:52 P
Reduced barometer, 30.13 7 a. m. 30.09 7 p. m
River gage, +0.5 feet
Relative humidity, 76 7 a. m. 63 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 33.3 Wet temperature, 30.8
Dew-point, 27 R. humidity, 76 V. pressure, .143
Clouds: Amount, 9; Kind, St Cu; Direction, NE
Velocity of clouds (miles per hour)

THERMOGRAPH



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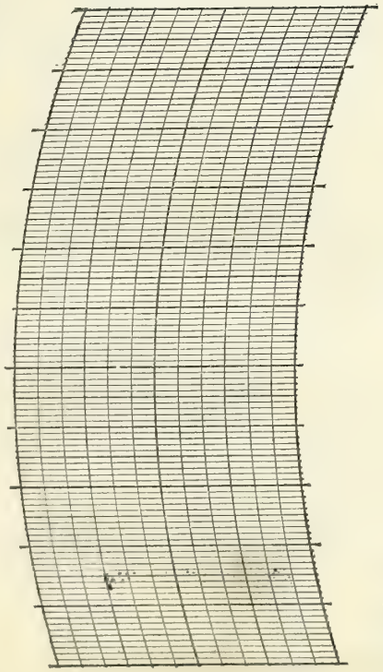
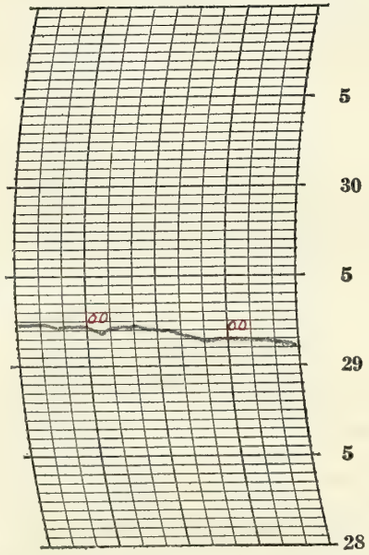


BAROGRAPH.



Prepared by L. C. S.
Verified by E. L. H.

8—486

NOTES

a Cloudy day. Streets and sidewalks dry.
Visibility good

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAR 7 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	29	29	28	28	28	28	26	25	26	26	27	28	29	30	30	36	30	31	32	32	32	32	32	32
State of weather: Nature of precipitation and time of beginning and ending							SA 6:10					S ML 11:40 SLtSS 11:40		SLtSS 1:40P SMS 1:40P										S Lntd
Amounts of precipitation							T	.04	.06	.06	.06	.07	.20	.15	.10	.05	.03	.01	.01	.01	.01	.01	.01	T
Cloudiness and other conditions													Cloudy											
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0	0						
Wind direction	NE	NE	NE	E	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	E	E
Wind movement	10	12	12	14	16	16	16	16	16	18	19	19	20	21	21	17	18	14	10	14	9	8	6	3
Maximum velocities (exceeding 24 miles) direction and time															26-E 2:04									

Sunrise: Time, 6:06 Character, Cloudy
Moonrise:
Sunset: Time, 5:39 Character, Cloudy
Moonset:

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
32	25	28	

Total depth of snow for 24 hours ending 7 p. m., 5.5 inches.
Snow, sleet, and hail on ground 7 p. m., 5.0 inches.
Total snowfall, midnight to midnight, 5.9 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0.84 ins.
Total precipitation, midnight to midnight, 0.88 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 11.6
Per cent of possible sunshine, 0
Prevailing wind direction, NE Total wind, 345
Average hourly velocity, 14.4 Extreme velocity, 27
Maximum velocity, 26 Direction, E
Time began, 2:04 P
Reduced barometer, 29.89 7 a. m. 29.39 7 p. m.
River gage, +0.5 feet
Relative humidity, 90 7 a. m. 97 7 p. m.

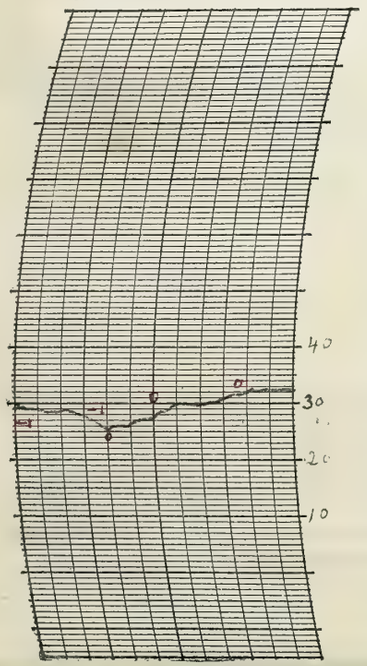
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 28.0 Wet temperature, 28.0
Dew-point, 28 R. humidity, 100 V. pressure, .150
Clouds: Amount, 10; Kind, St; Direction, NE
Velocity of clouds (miles per hour)

THERMOGRAPH



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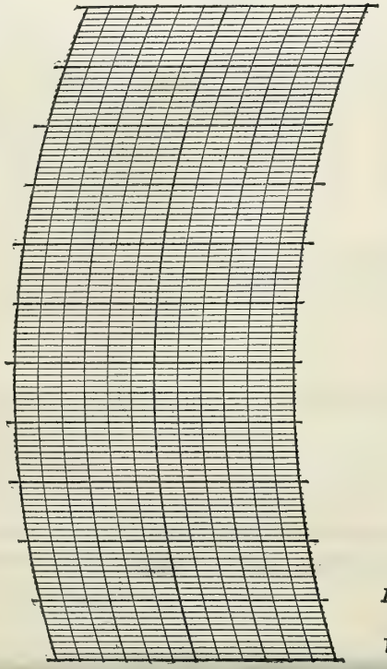
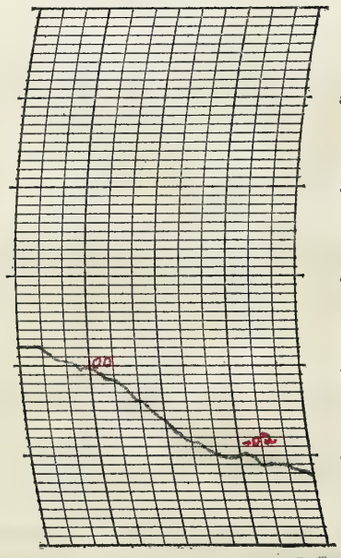


BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.H

8—486

NOTES

Snow began to drift by 9:00 A.M and by 11:00 AM Many cars were stuck, and driving conditions very bad. These conditions continued all day and till midnight.

This is the most severe storm of this type (snow and wind) since Dec. 18-19, 1929.

Street car service was near a standstill during the afternoon but cars kept fairly well on time during the night. Some damage occurred to over-head wires.

Country roads nearly blocked, but main highways kept open, by working 24 hours per day.

* midnight to midnight estimated and hourly amounts

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAR 8 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	32	32	31	31	30	30	30	30	30	31	33	32	32	32	32	32	32	31	30	28	28	27	26
	5° cntd												5° 12:50 P					5° 5:20 P						5° cntd
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation	T	.01	.01	T	T	T	T	T	.01	.01	.01	T	T					.01	T	T	T	T	T	.01 *
Cloudiness and other conditions							Cloudy																	

Sunrise: Time, 6.04 Character, Cloudy
Moonrise:

Sunset: Time, 5:40 Character, Cloudy
Moonset:

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)							0	0	0	0	0.2	0.9	0	0.7	0.1	0	0	0						
Wind direction	SE	SW	SW	S	S	SW	SW	S	S	S	S	SW	SW	NW	NW	NW	W	NW	NW	NW	NW	NW	NW	NW
Wind movement	5	7	9	10	10	10	7	8	7	8	8	7	5	10	8	7	8	11	15	16	17	19	18	17

Maximum velocities (exceeding 21 miles) direction and time

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

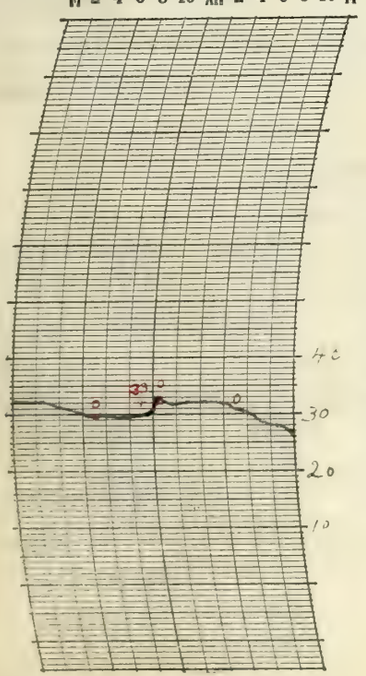
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
33	26	30	

Total depth of snow for 24 hours ending 7 p. m., 1.0 inches.
Snow, sleet, and hail on ground 7 p. m., 4.2 inches.
Total snowfall, midnight to midnight, 0.8 inches.
Precipitation to 7 a. m., .04 ins.; to 7 p. m., .04 ins.
Total precipitation, midnight to midnight, .07 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 1.9 Possible sunshine, hours, 11.6
Per cent of possible sunshine, 16
Prevailing wind direction, NW Total wind, 247
Average hourly velocity, 10.3 Extreme velocity, 24
Maximum velocity, 22 Direction, NW
Time began, 8:41 P
Reduced barometer, 29.29 7 a. m. 29.39 7 p. m
River gage, +0.5 feet
Relative humidity, 95 7 a. m. 100 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 33.0 Wet temperature, 32.0
Dew-point, 31 R. humidity, 90 V. pressure, .172
Clouds: Amount, 10; Kind, St; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH



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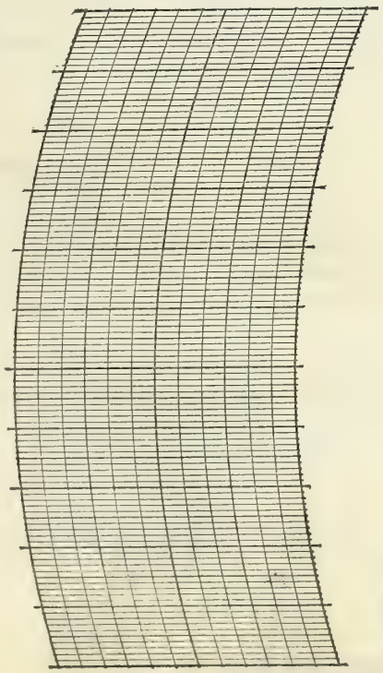
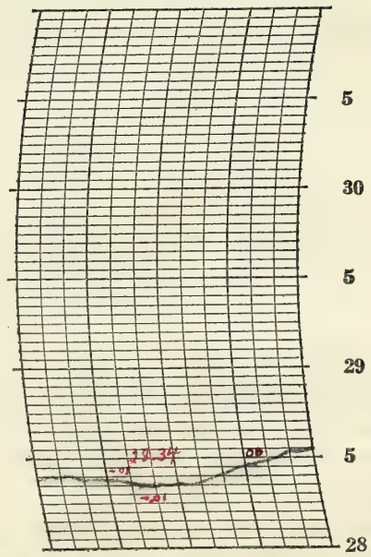


BAROGRAPH.



Prepared by L. C. S.

Verified by E. J. H.

8—486

NOTES

General conditions of streets remains unchanged. Driving without chains nearly impossible. Streets and sidewalks very slippery with much slush from 11:00 A.M. to 4:00 P.M. when the slush became frozen. Street car service was good today. The wind increased during the night began to drift again at 7:00 P.M. and snow plows were necessary to keep roads open.

* Midnight to midnight estimated and hourly amounts

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAR 9 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	27	27	27	27	27	27	26	27	28	28	29	29
State of weather: Nature of precipitation and time of beginning and ending	S cntd	S 0E D.N.A.								S 0B 9:20		
Amounts of precipitation	T	T								T	T	T
Cloudiness and other conditions					Cloudy							
Sunrise: Time, Character,	6.02 Cloudy											
Moonrise:												
Sunshine (in tenths of hours)							0	0.7	1.0	1.0	1.0	1.0
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	15	16	15	15	17	16	17	19	23	23	23	22
Maximum velocities (exceeding 24 miles) direction and time										26 NW 9:04		

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	30	29	30	29	29	29	28	27	27	27	27	27
State of weather: Nature of precipitation and time of beginning and ending												S P cntd
Amounts of precipitation	.01	.01	.01	T	T	T	T	T	T	T	T	T*
Cloudiness and other conditions												
Sunset: Time, Character,									5:41 Cloudy			
Moonset:												
Sunshine (in tenths of hours)	1.0	0	0.2	0	0	0						
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	17	18	22	25	22	25	25	23	23	22	22	21
Maximum velocities (exceeding 24 miles) direction and time				30 NW 3:20	25 NW 4:44	30 NW 5:33	31 NW 6:35	26 NW 7:10	26 NW 8:22	25 NW 9:06	26 NW 10:41	

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
30	26	28	

Total depth of snow for 24 hours ending 7 p. m., 0.6 inches.
Snow, sleet, and hail on ground 7 p. m., 4.2 inches.
Total snowfall, midnight to midnight, 0.4 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., .03 ins.
Total precipitation, midnight to midnight, .03 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
X Actual sunshine, hours, 5.9 Possible sunshine, hours, 11.6
Per cent of possible sunshine, 51
Prevailing wind direction, NW Total wind, 486
Average hourly velocity, 20.2 Extreme velocity, 32
Maximum velocity, 31 Direction, NW
Time began, 6:35 P
Reduced barometer, 29.57 7 a. m. 29.84 7 p. m.
River gage, +0.5 Feet
Relative humidity, 88 7 a. m. 78 7 p. m.

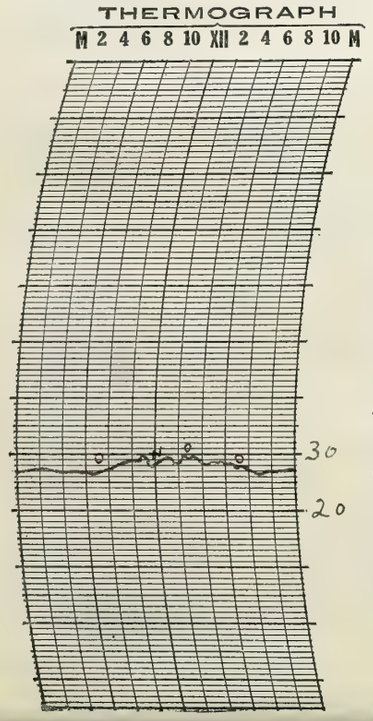
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

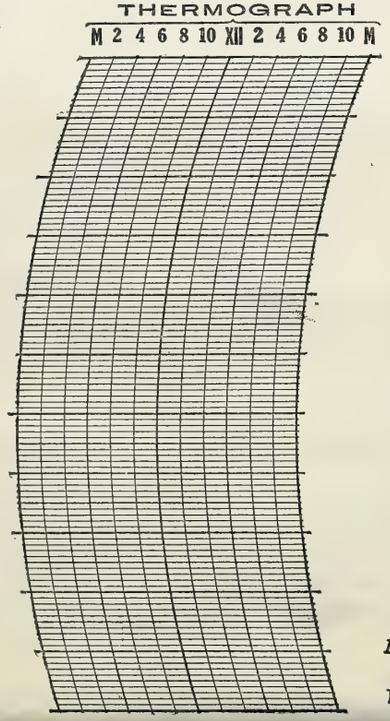
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 28.6 Wet temperature, 28.2
Dew-point, 27 R. humidity, 95 V. pressure, .143
Clouds: Amount, 10; Kind, St; Direction, NW
Velocity of clouds (miles per hour)

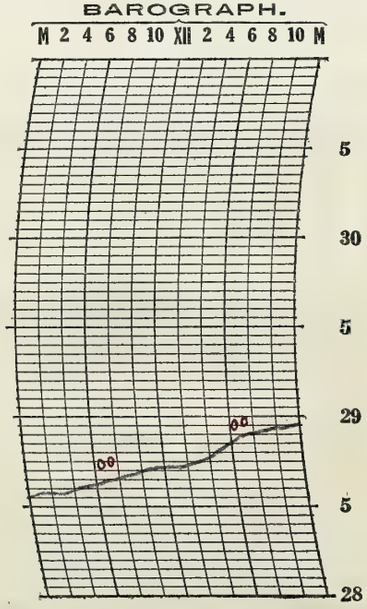
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.H

8—486

NOTES

Streets and roads continued very dangerous - main roads open but most country roads blocked.

Snow drifted very badly during the night A.M. and continued to drift throughout the day.

Street cars and trains running about on time.

Roads drifted badly in late afternoon and at night impossible to keep them open.

All country roads closed.

New snow light and did not cause trouble.

X Sun shone through 10 clouds sufficient to cast light shadows.

* Midnight to Midnight estimated and hourly amounts.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAR 10 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	28	28	27	27	27	27	27	27	28	28	29	29
State of weather: Nature of precipitation and time of beginning and ending	S D end		S E D.N.A.				S DB 6:10					
Amounts of precipitation	T	T	T				T	T	T	T	T	T
Cloudiness and other conditions							Cloudy					
Sunrise: Time, Character,	6:01 Cloudy											
Moonrise:												
Sunshine (in tenths of hours)							0	0	0.6	0.6	1.0	0.5
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	W
Wind movement	17	20	16	14	13	12	11	13	15	17	16	17

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	29	29	28	28	27	27	27	28	27	27	27	25
State of weather: Nature of precipitation and time of beginning and ending								S E 7:10				
Amounts of precipitation	T	T	T	T	T	T	T	T				
Cloudiness and other conditions												
Sunset: Time, Character,									5:42 Cloudy			
Moonset:												
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	W	W	W	W	W	W	W	W	W	NW	NW	NW
Wind movement	18	18	19	17	15	15	12	13	10	9	12	12

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

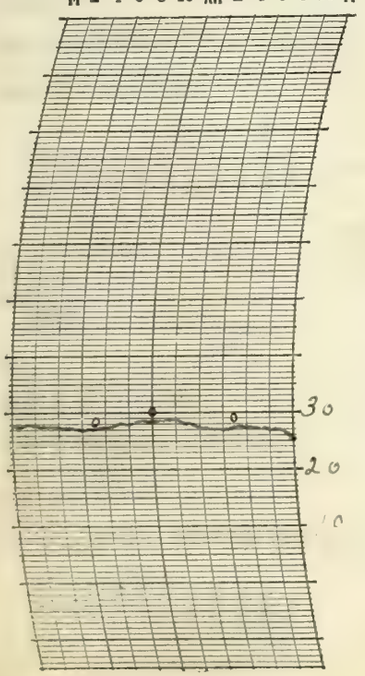
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
29	25	27	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 4.2 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 2.7 Possible sunshine, hours, 11.7
Per cent of possible sunshine, 23
Prevailing wind direction, NW Total wind, 351
Average hourly velocity, 14.6 Extreme velocity, 26
Maximum velocity, 24 Direction, NW
Time began, 1:09 A.
Reduced barometer, 29.96 7 a. m. 30.02 7 p. m
River gage, +0.6 feet
Relative humidity, 82 7 a. m. 82 7 p. m.

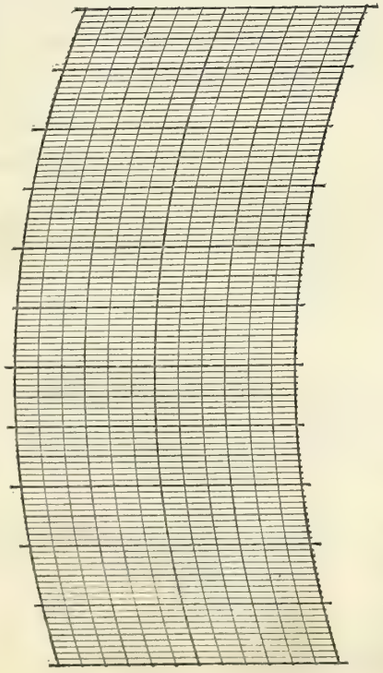
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 28.8 Wet temperature, 26.8
Dew-point, 24 R. humidity, 78 V. pressure, .124
Clouds: Amount, 10; Kind, St cu; Direction, W
Velocity of clouds (miles per hour)

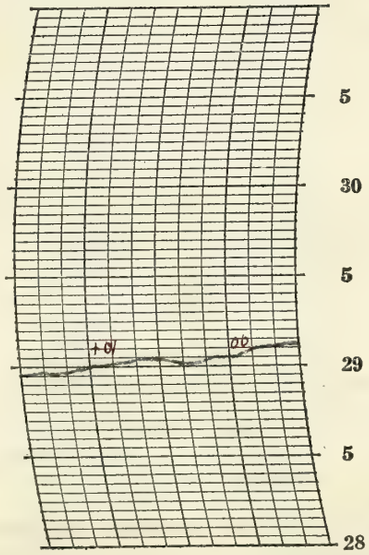
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

a few flakes of snow fell during the morning - and the sun shone through upper clouds for short periods.

Snow squalls occurred during the afternoon and the main and county highways again drifted full of snow. Most roads were cleared by 6:00 P.M. Moderate winds occurred during the night but some drifting did occur.

Ice and snow had been removed from many city streets, but as a rule, streets were very slick and sidewalks were slippery in all sections of the city.

The mail plane flew in and out on time.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAR 11 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	24	23	22	22	22	22	24	24	25	26	28	29	29	29	29	29	30	30	30	29	29	29	25	24
State of weather: Nature of precipitation and time of beginning and ending								SDB 7:05				SDE 11:55			RB 2:15 RE 2:30			SDB 5:20		SDE 7:20				
Amounts of precipitation								T	T	T	T	T			T			T	T	T				
Cloudiness and other conditions							←					Cloudy								→				
Sunrise: Time, 5:59 Character, Cloudy																					Sunset: Time, 5:43 Character, Cloudy			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)						0	0	0	0	0	0	0	0	0	0	0	0	0						
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	W	NW	NW	NW	NW	NW	NW	W	W	W	W	W	W	W	W	W
Wind movement	9	7	5	7	5	7	7	7	7	9	9	10	12	10	10	11	10	9	10	10	11	10	7	7
Maximum velocities (exceeding 24 miles) direction and time																								

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

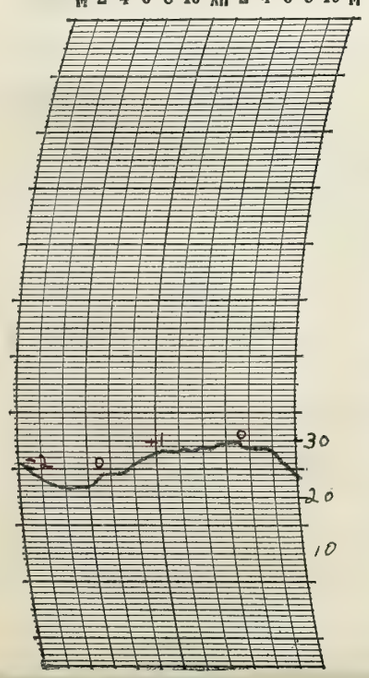
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
30	22	26	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 4.2 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 11.7
Per cent of possible sunshine, 0
Prevailing wind direction, NW Total wind, 206
Average hourly velocity, 8.6 Extreme velocity, 14
Maximum velocity, 14 Direction, W
Time began, 8:44 P
Reduced barometer, 30.12 7 a. m. 30.16 7 p. m.
River gage, +0.7 feet
Relative humidity, 79 7 a. m. 87 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 29.0 Wet temperature, 27.1
Dew-point, 24 R. humidity, 79 V. pressure, .124
Clouds: Amount, 3 7; Kind, St Cu; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH



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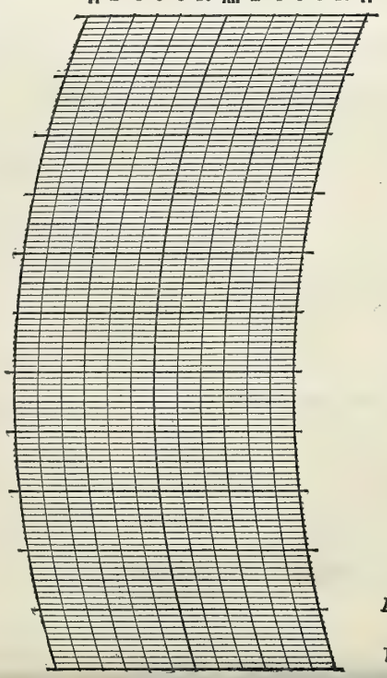
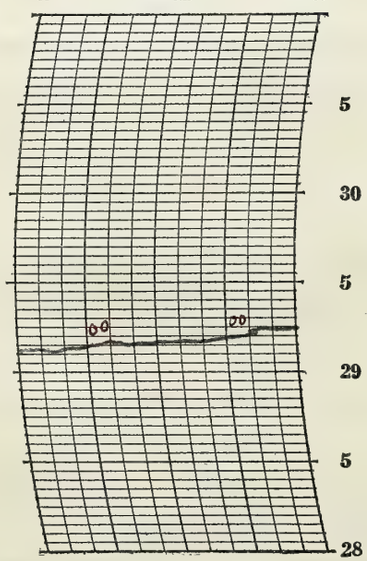


BAROGRAPH.



Prepared by L.C.S.

Verified by C.L.H

8—486

NOTES

Main roads were open all day, no drifting. However ice and snow packed on roads and streets and they are very rough.

Many sidewalks remain covered with ice and snow.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAR 12 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	23	22	21	21	20	20	19	20	22	27	29	32	34	36	38	39	39	38	38	36	34	34	34	32
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Clear		× Cloudy		×			Clear									→		
Sunshine (in tenths of hours)						.05 0	1.0 0	0.2 0.3	0	0.4	0.9	1.0	1.0	1.0	1.0	0.9	0.2 0.7	.73 0						
Wind direction	W	W	W	W	W	W	W	W	NW	NW	NW	W	W	W	W	NW	NW	NW	NW	W	W	W	W	W
Wind movement	8	8	7	5	4	4	3	3	5	3	4	5	7	8	9	7	4	3	2	4	5	2	1	3
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 5:57 Character, Clear
Moonrise:

Sunset: Time, 5:44 Character, Clear
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

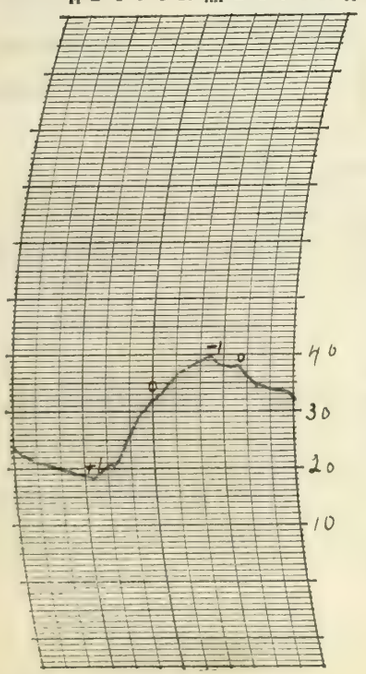
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
39	19	29	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 2.5 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 9.4 Possible sunshine, hours, 11.8
Per cent of possible sunshine, 80
Prevailing wind direction, W Total wind, 114
Average hourly velocity, 4.8 Extreme velocity, 11
Maximum velocity, 11 Direction, W
Time began, 2:15 P
Reduced barometer, 30.26 7 a. m. 30.23 7 p. m.
River gage, +0.7 feet
Relative humidity, 91 7 a. m. 50 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 32.5 Wet temperature, 30.5
Dew-point, 28 R. humidity, 80 V. pressure, .150
Clouds: Amount, 2; Kind, Ci St; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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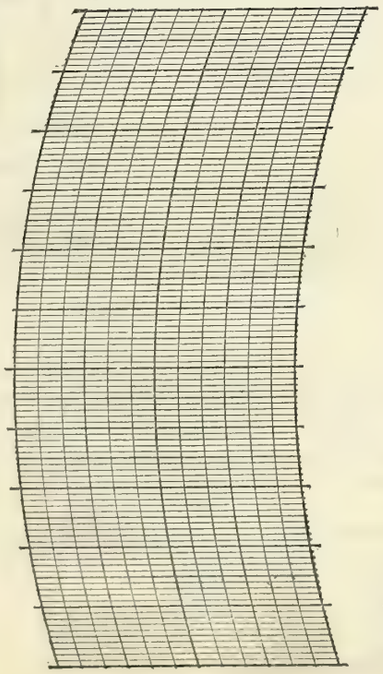
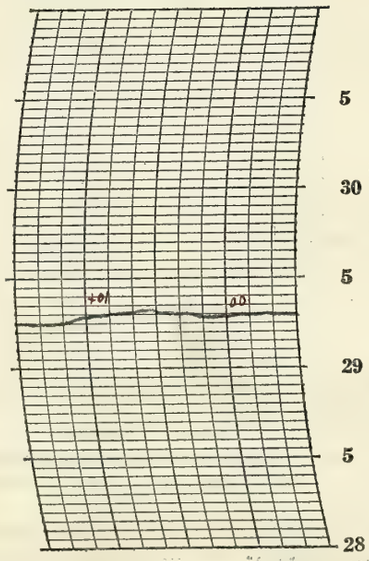


BAROGRAPH.



Prepared by L. C. S.

Verified by E. J. H.

8—486

NOTES

With sunshine most of the day, the snow melted some and roads open. However, the ice and packed snow continued to make them very rough.

Most sidewalks free of ice.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) MAR 13 1931, 193

Time (local standard) Summer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	31	30	28	29	30	32	32	35	36	36	39	39	40	40	39	39	38	38	36	35	34	35	34
State of weather: Nature of precipitation and time of beginning and ending															R B 2:30 R 2:30 S 2:45 S 2:45 R 3:00	R E 3:20			R B 6:10	R E 7:15				S M B 11:10 S M E 11:50
Amounts of precipitation															T	T			T	T				T
Cloudiness and other conditions							←					Cloudy								→				

Sunrise: Time, 5:56 Character, Cloudy

Moonrise:

Sunset: Time, 5:45 Character, Cloudy

Moonset:

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)						0	0	0	0.3	0.3	0	0	0	0.2	0	0	0	0						
Wind direction	W	O	W	W	W	W	W	E	E	E	E	SE	E	E	E	E	NE	NE	E	E	NE	NE	NE	NE
Wind movement	2	0	1	2	1	1	3	7	6	7	8	7	9	9	8	9	8	8	7	8	7	9	9	8
Maximum velocities (exceeding 24 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
40	28	34	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow, sleet, and hail on ground 7 p. m., 1.8 inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0.8 Possible sunshine, hours, 11.8

Per cent of possible sunshine, 7

Prevailing wind direction, E Total wind, 144

Average hourly velocity, 6.0 Extreme velocity, 11

Maximum velocity, 11 Direction, NE

Time began, 10:43P

Reduced barometer, 30.23 7 a. m. 30.12 7 p. m.

River gage, +0.5 Feet

Relative humidity, 79 7 a. m. 87 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

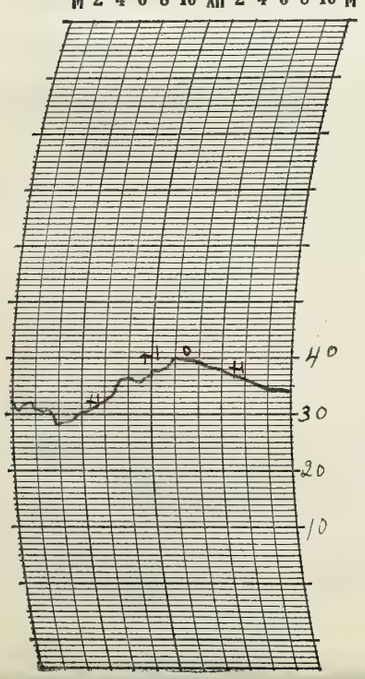
Dry temperature, 38.8 Wet temperature, 34.0

Dew-point, 27 R. humidity, 61 V. pressure, .143

Clouds: Amount, 7; Kind, Str.; Direction, E

Velocity of clouds (miles per hour)

THERMOGRAPH



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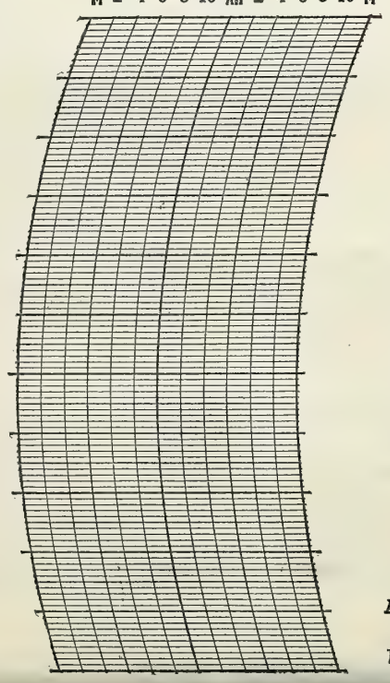
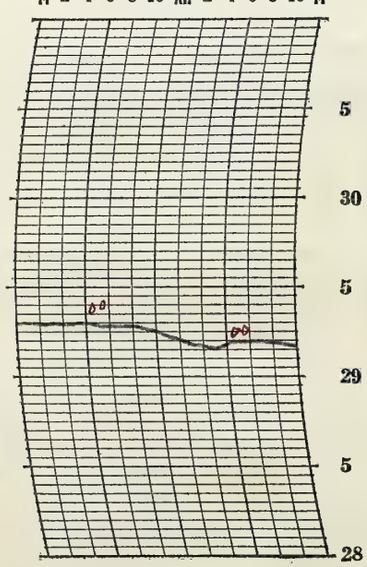


BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.H

8—486

NOTES

Snow melted considerably.
Majority of city streets are free from ice but some have yet some slush.
Flying conditions were unfavorable during the early morning hours and during the late evening.
The day was cloudy.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAR 14 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	34	33	33	33	33	34	34	34	35	36	38	37	36	36	35	35	35	36	36	35	35	34	34
State of weather: Nature of precipitation and time of beginning and ending																	SP 4:10 SOC 4:30							
Amounts of precipitation																	T							
Cloudiness and other conditions							←			Cloudy	PCldy	→				Cloudy						→		
Sunshine (in tenths of hours)						0	0	0	0	0	0.2	1.0	0.8	0	0	0	0	0						
Wind direction	E	NE	E	E	NE	E	NE	NE	NE	E	NE	NE	NE	NE	NE	NE	N	N	N	N	N	N	N	N
Wind movement	9	9	9	9	8	8	8	10	10	10	11	13	14	12	11	10	9	7	6	5	5	5	2	4
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 5:54 Character, Cloudy
Moonrise:
Sunset: Time, 5:46 Character, Cloudy
Moonset:

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

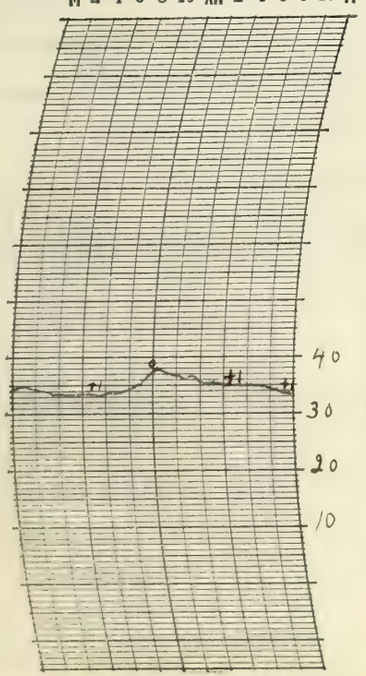
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
38	33	36	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 1.0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 2.0 Possible sunshine, hours, 11.9
Per cent of possible sunshine, 17
Prevailing wind direction, NE Total wind, 204
Average hourly velocity, 8.5 Extreme velocity, 17
Maximum velocity, 16 Direction, NE
Time began, 12:53 P
Reduced barometer, 30.09 7 a. m. 30.15 7 p. m
River gage, +0.8 feet
Relative humidity, 81 7 a. m. 78 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 38.0 Wet temperature, 33.5
Dew-point, 27 R. humidity, 63 V. pressure, .143
Clouds: Amount, 2 5; Kind, a cu st cu; Direction, E NE
Velocity of clouds (miles per hour)

THERMOGRAPH



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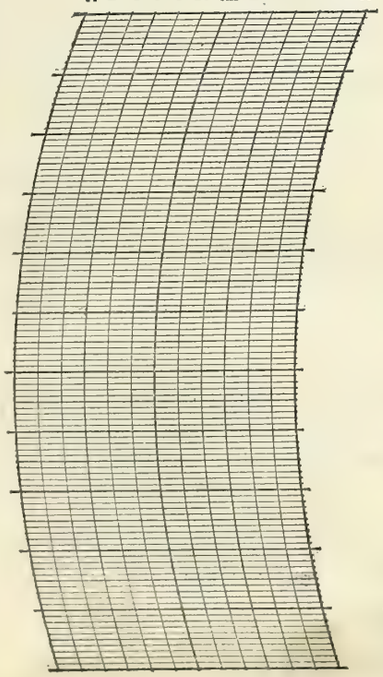
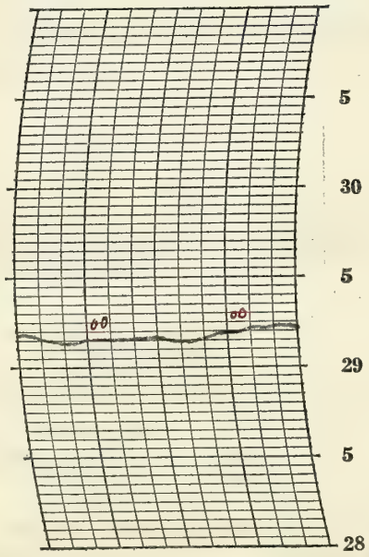


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

a Cloudy day. However the sun shone through upper clouds at times.

A few flakes of snow fell in the afternoon.

Cloudy at night. Flying conditions were mostly favorable.

Streets and sidewalks mostly free of ice.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAR 15 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	32	31	31	30	30	31	31	33	34	35	37
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Cloudy					
Sunshine (in tenths of hours)						0	0	0	0	0.5	1.0	1.0
Wind direction	N	N	N	N	N	NW	NW	NW	W	NW	NW	NW
Wind movement	3	3	3	3	3	4	4	6	6	11	10	12
Maximum velocities (exceeding 24 miles) direction and time												

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	37	36	36	35	34	33	33	33	33	32	32	32
State of weather: Nature of precipitation and time of beginning and ending		R B 1:45				R E 5:50 S M B 5:50						S M E D.N.P.
Amounts of precipitation		T	T	T	T	T	T	T	T	T	T	T
Cloudiness and other conditions												
Sunshine (in tenths of hours)	0.8	0	0	0	0	0						
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	N	N
Wind movement	12	12	11	8	10	8	7	8	8	10	9	7
Maximum velocities (exceeding 24 miles) direction and time												

Sunrise: Time, 5:53 Character, Cloudy
Moonrise:

Sunset: Time, 5:47 Character, Cloudy
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

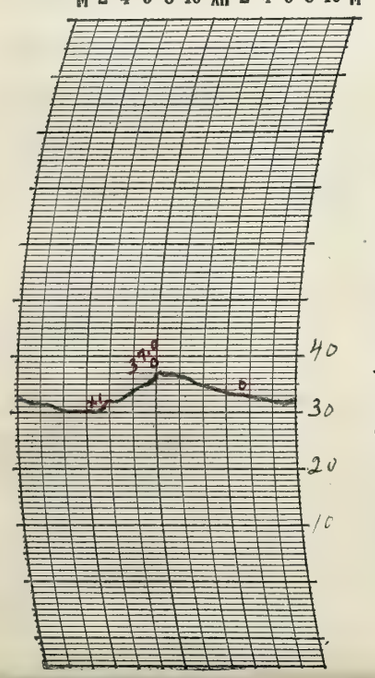
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
37	30	34	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 3.3 Possible sunshine, hours, 11.9
Per cent of possible sunshine, 28
Prevailing wind direction, NW Total wind, 178
Average hourly velocity, 7.4 Extreme velocity, 14
Maximum velocity, 14 Direction, NW
Time began, 9:56 P
Reduced barometer, 30.14 7 a. m. 30.18 7 p. m.
River gage, + 2.5 feet
Relative humidity, 84 7 a. m. 92 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 36.8 Wet temperature, 33.3
Dew-point, 28 R. humidity, 70 V. pressure, .150
Clouds: Amount, 6; Kind, a cu cu; Direction, N
Velocity of clouds (miles per hour)

THERMOGRAPH



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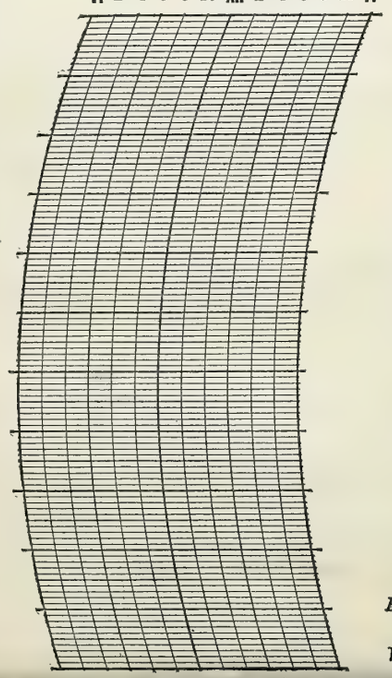
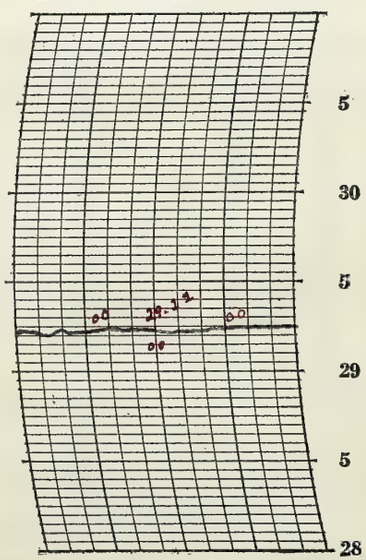


BAROGRAPH.



Prepared by L C S.

Verified by E. L. H

8—486

NOTES

A Cloudy day, with a little sun shine through thin clouds. The rain in the afternoon was light but made the streets quite slippery from 3:00 PM until the night.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAR 16 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	31	31	30	29	29	29	29	29	29	30	31	33	33	33	33	33	32	32	32	32	32	32	32	32
State of weather: Nature of precipitation and time of beginning and ending								S 7:08					S 12:10											
Amounts of precipitation								T	T	T	T	T	T											
Cloudiness and other conditions							←						Cloudy								→			

Sunrise: Time, 5:51 Character, Cloudy

Moonrise:

Sunset: Time, 5:48 Character, Cloudy

Moonset:

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)						0	0	0	0	0	0	0	0	0	0	0	0	0						
Wind direction	N	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	N	NW	N	N	NW	NW	NW	N	NW	NW	N	N	N
Wind movement	5	6	8	9	7	7	5	10	12	10	10	11	11	9	10	9	9	8	6	4	7	3	3	2
Maximum velocities (exceeding ____ miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
33	29	31	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow, sleet, and hail on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 120

Per cent of possible sunshine, 0

Prevailing wind direction, NW Total wind, 181

Average hourly velocity, 7.5 Extreme velocity, 14

Maximum velocity, 14 Direction, NW

Time began, 7:49 A

Reduced barometer, 30.222 a. m. 30.247 p. m

River gage, +4.2 feet

Relative humidity, 83 7 a. m. 75 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

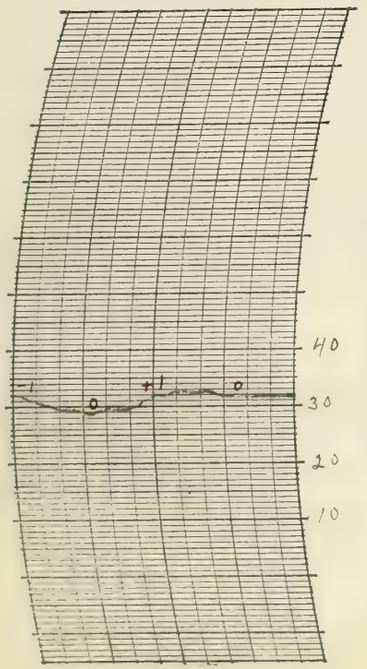
Dry temperature, 33.0 Wet temperature, 32.0

Dew-point, 31 R. humidity, 90 V. pressure, .172

Clouds: Amount, 4; Kind, Strat; Direction, NW

Velocity of clouds (miles per hour)

THERMOGRAPH



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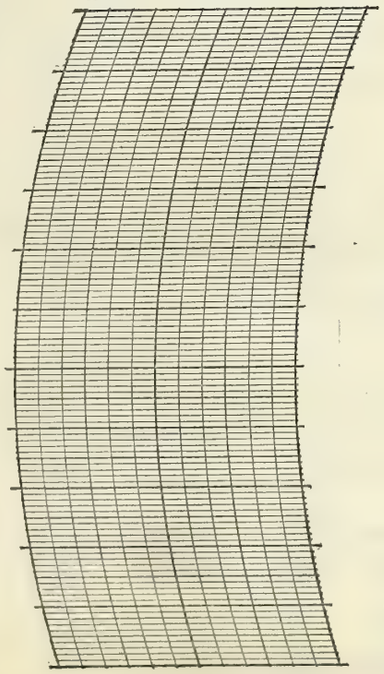
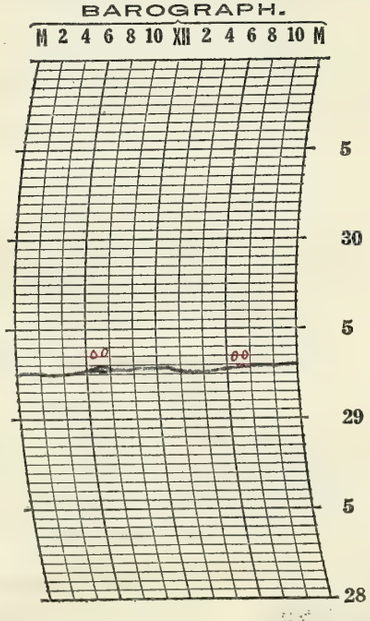


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H

8—486

NOTES

a Cloudy day. Snow flurries were so light that streets remained dry. Suitable for flying.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAR 17 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	31	31	30	30	30	30	30	31	32	32	33	34	34	35	36	35	35	35	35	35	34	33	33
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←				Cloudy											→		
Sunshine (in tenths of hours)						0	0	0	0	0	0	0	0	0	0	0.1	0	0						
Wind direction	N	N	N	N	NW	NW	NW	NW	NW	NW	W	NW	W	SW	SW	SW	S	S	S	S	SE	SE	SE	SE
Wind movement	2	3	2	4	4	4	5	4	5	5	6	4	4	4	4	4	5	3	5	7	6	7	8	7
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 5:49 Character, Cloudy
Moonrise:

Sunset: Time, 5:50 Character, Cloudy
Moonset:

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

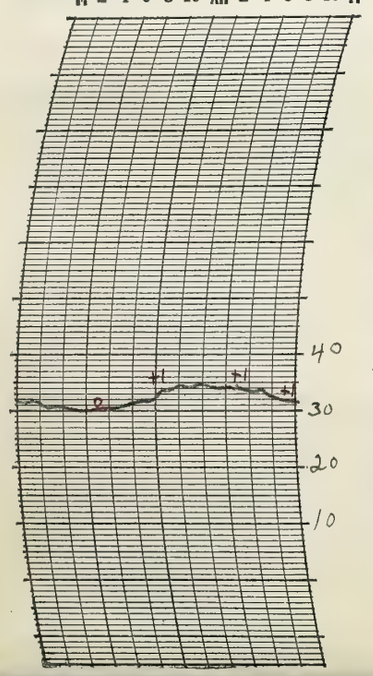
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
36	30	33	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.1 Possible sunshine, hours, 12.0
Per cent of possible sunshine, 1
Prevailing wind direction, NW Total wind, 112
Average hourly velocity, 4.7 Extreme velocity, 9
Maximum velocity, 9 Direction, SE
Time began, 9:47 P
Reduced barometer, 30.27 7 a. m. 30.15 7 p. m.
River gage, +4.1 feet
Relative humidity, 89 7 a. m. 75 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 33.4 Wet temperature, 30.3
Dew-point, 26 R. humidity, 70 V. pressure, .136
Clouds: Amount, 2/8; Kind, ~~St Cu~~ Ast; Direction, ~~N W~~ N W
Velocity of clouds (miles per hour)

THERMOGRAPH



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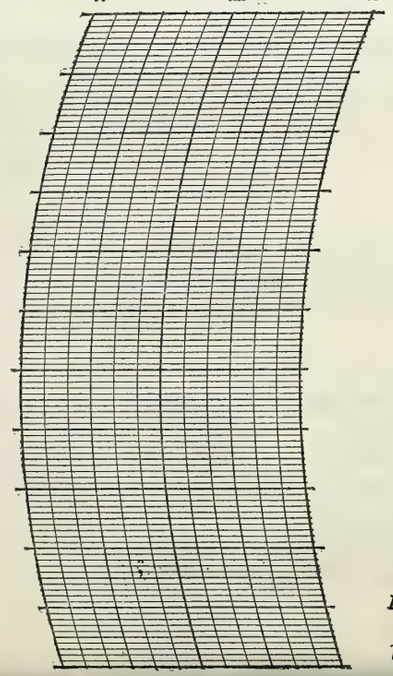

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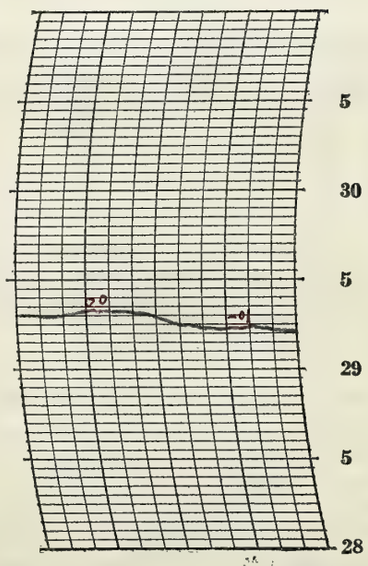


Prepared by L. C. S.

Verified by E. L. H

8—486

NOTES

a cloudy day. Suitable for flying.
Streets and sidewalks dry.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAR 18 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	32	32	32	32	32	32	33	34	34	33	33
State of weather: Nature of precipitation and time of beginning and ending								SDS 7:30	SDE 8:20	SMS 9:05		
Amounts of precipitation								T	T	01	.02	.02
Cloudiness and other conditions							← Cloudy					

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	33	33	33	33	33	33	33	33	33	32	32
State of weather: Nature of precipitation and time of beginning and ending												SM 11:40
Amounts of precipitation	.03	.03	.03	.03	.02	.02	.01	.01	.02	.02	.02	.02
Cloudiness and other conditions									→			

Sunrise: Time, 5.48 Character, Cloudy
Moonrise:

Sunset: Time, 5:51 Character, Cloudy
Moonset:

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	SE	SE	SE	SE	SE	SE	SE	SE	SE	E	E	E
Wind movement	7	8	9	8	9	8	9	10	11	7	7	9
Maximum velocities (exceeding 24 miles) direction and time												

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	E	E	E	E	E	E	E	E	E	NE	NE	NE
Wind movement	9	8	11	10	13	12	11	10	10	10	10	13
Maximum velocities (exceeding 24 miles) direction and time												

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

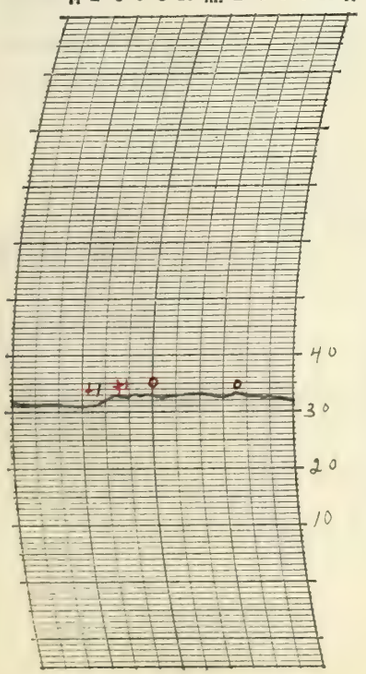
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
34	32	33	

Total depth of snow for 24 hours ending 7 p. m., 2.2 inches.
Snow, sleet, and hail on ground 7 p. m., 0.8 inches.
Total snowfall, midnight to midnight, 3.1 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0.22 ins.
Total precipitation, midnight to midnight, 0.31 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 12.0
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind, 229
Average hourly velocity, 9.5 Extreme velocity, 15
Maximum velocity, 15 Direction, E
Time began, 3:57 P
Reduced barometer, 30.06 7 a. m. 29.85 7 p. m.
River gage, +3.8 feet
Relative humidity, 79 7 a. m. 100 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 32.9 Wet temperature, 31.9
Dew-point, 31 R. humidity, 90 V. pressure, .172
Clouds: Amount, 10; Kind, St; Direction, E
Velocity of clouds (miles per hour)

THERMOGRAPH



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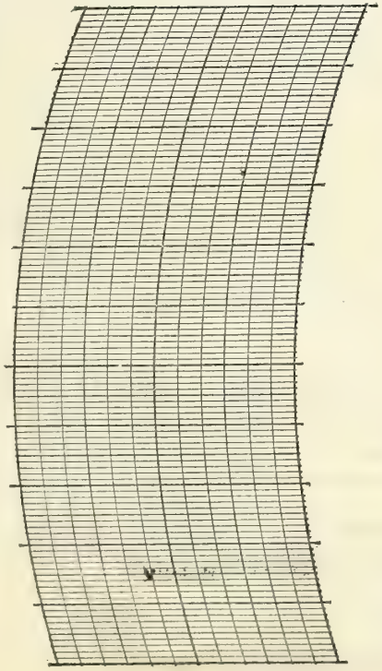

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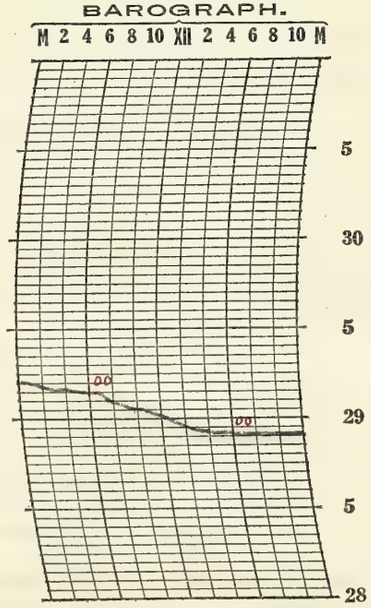


Prepared by L. C. S.

Verified by E. L. H

8—486

NOTES

a cloudy day. Streets and sidewalks were slushy and slippery from 9:05 P.M. throughout the night as a result of the very wet snow.

The day was not suitable for flying.

X Hourly amounts estimated

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) FEB 19 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	32	31	30	30	30	30	29	30	31	32	34
State of weather: Nature of precipitation and time of beginning and ending	SM 5:40		SME 0.N.H.									
Amounts of precipitation	.01	.01	T									
Cloudiness and other conditions												Cloudy
Sunrise: Time, Character,	5:46 Cloudy											
Moonrise:												
Sunshine (in tenths of hours)						0	0	0	0.4	1.0	1.0	1.0
Wind direction	NE	NE	NE	N	N	N	N	N	N	N	N	N
Wind movement	12	15	14	12	12	12	14	15	14	15	15	15
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	34	34	34	34	34	34	33	33	33	33	33
State of weather: Nature of precipitation and time of beginning and ending				SDG 3:05	SPE 4:50							
Amounts of precipitation				T	T							
Cloudiness and other conditions												
Sunset: Time, Character,									5:52 Cloudy			
Moonset:												
Sunshine (in tenths of hours)	0.3	0	0	0	0	0						
Wind direction	N	N	N	N	N	N	N	N	N	N	N	N
Wind movement	14	12	12	9	10	9	9	9	8	9	7	6
Maximum velocities (exceeding 24 miles) direction and time												

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
34	29	32	

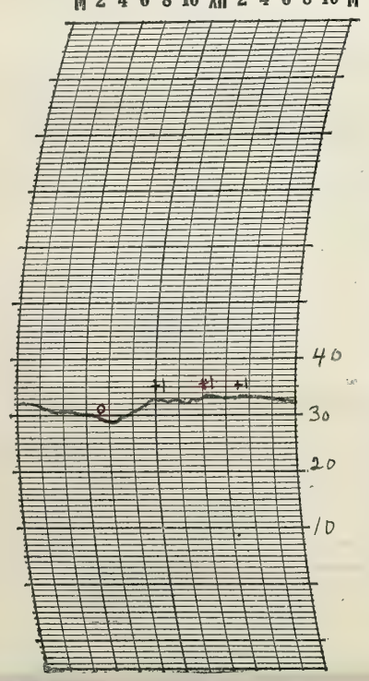
Total depth of snow for 24 hours ending 7 p. m., 1.1 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0.2 inches.
Precipitation to 7 a. m., 0.11 ins.; to 7 p. m., T ins.
*Total precipitation, midnight to midnight, 0.2 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 3.7 Possible sunshine, hours, 12.1
Per cent of possible sunshine, 31
Prevailing wind direction, N Total wind, 279
Average hourly velocity, 11.6 Extreme velocity, 19
Maximum velocity, 18 Direction, N
Time began, 11:27 A.
Reduced barometer, 29.98 7 a. m. 30.14 7 p. m.
River gage, +3.8 feet
Relative humidity, 95 7 a. m. 81 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

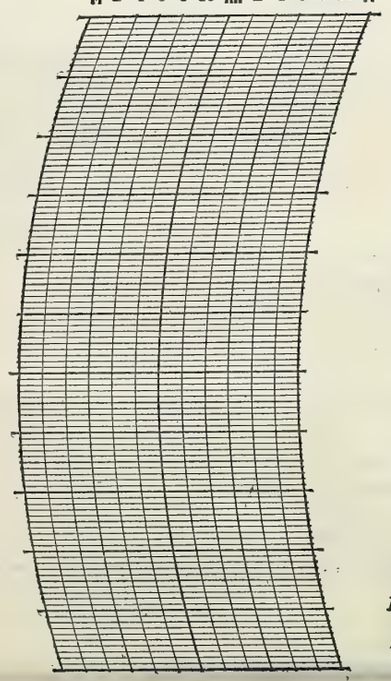
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 33.8 Wet temperature, 32.3
Dew-point, 30 R. humidity, 86 V. pressure, .164
Clouds: Amount, 4; Kind, ~~Strat.~~ Cast; Direction, NW
Velocity of clouds (miles per hour)

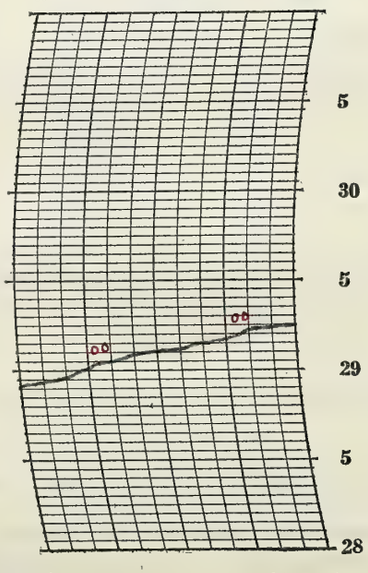
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

NOTES

* Hourly amounts estimated.
a cloudy day. Sustable for flying.
Streets and sidewalks remained slushy and slippery until noon.

2—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) MAR 20 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	31	30	29	29	28	28	27	30	34	36	38	41	41	43	43	43	43	42	42	39	38	36	36	35
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←				Clear		x Pt Cloudy								x Clear				→
Sunrise: Time, 5:44 Character, Clear																					Sunset: Time, 5:53 Character, Cloudy			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)						.27 0	1.0 0	0.1 0.9	1.0	1.0	1.0	1.0	0.8	0.8	0.5	0.2	0.1	0						
Wind direction	N	NE	NE	0	0	0	0	NE	NE	E	E	E	NE	E	E	E	E	E	E	E	E	E	E	E
Wind movement	7	6	3	0	0	0	0	3	4	4	5	5	8	9	7	7	6	5	6	7	6	6	7	6
Maximum velocities (exceeding 24 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

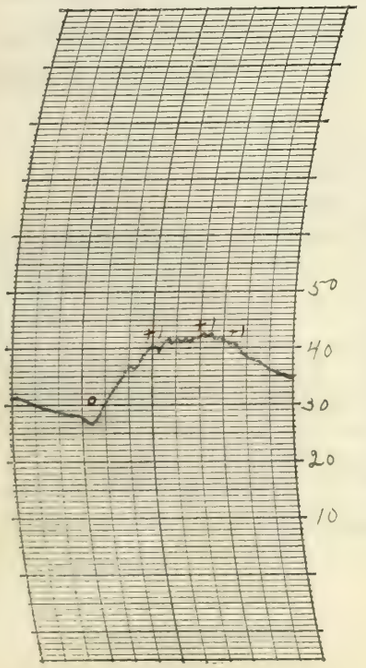
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
43	27	35	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 8.7 Possible sunshine, hours, 12.2
Per cent of possible sunshine, 71
Prevailing wind direction, E Total wind, 117
Average hourly velocity, 4.9 Extreme velocity, 11
Maximum velocity, 11 Direction, NE
Time began, 12:07 P
Reduced barometer, 30.24 7 a. m. 30.17 7 p. m
River gage, +3.8 feet
Relative humidity, 88 7 a. m. 62 7 p. m.

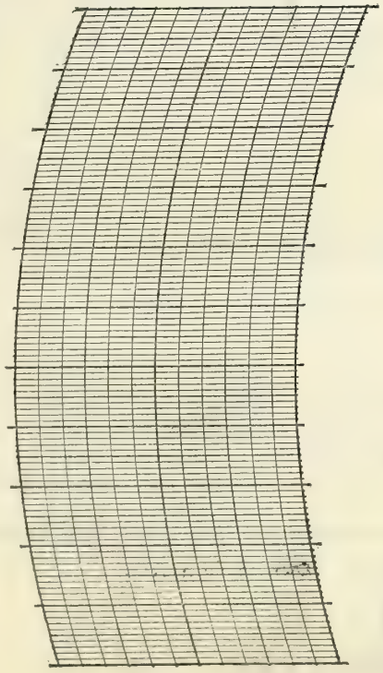
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 41.3 Wet temperature, 37.1
Dew-point, 32 R. humidity, 68 V. pressure, .180
Clouds: Amount, 1; Kind, Ci; Direction, E
Velocity of clouds (miles per hour)

THERMOGRAPH



THERMOGRAPH



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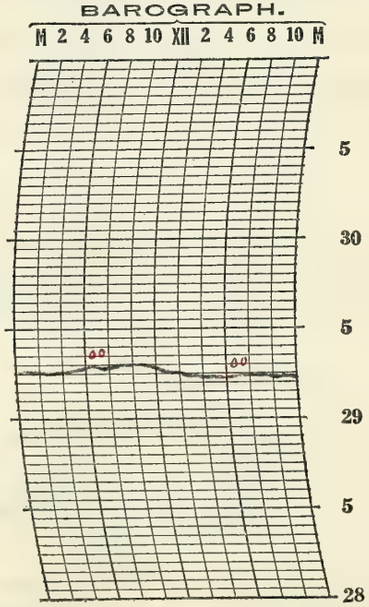


Prepared by L.C.S.

Verified by E.L.H

8—486

NOTES

a Clear day becoming but partly cloudy in afternoon. Clear at Night. Steady day. Suitable for flying.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAR 21 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	32	32	31	31	31	33	34	36	40	45	47
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Cloudy x Pt Cldy						
Sunshine (in tenths of hours)						.28 0	1.0 0	1.0 0	0.3 0.6	1.0	1.0	1.0
Wind direction	E	E	E	E	E	E	E	E	NE	NE	NE	NE
Wind movement	8	7	8	7	6	8	5	7	8	8	9	9

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	49	49	51	50	49	47	43	40	39	37	36	36
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Clear					x Pt Cldy				
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.8	0						
Wind direction	E	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	11	11	11	11	13	10	10	10	10	11	11	11

Sunrise: Time, 5:43 Character, Clear

Moonrise:

Sunset: Time, 5:54 Character, Cloudy

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
51	31	41	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10), 6

Actual sunshine, hours, 11.0 Possible sunshine, hours, 12.2

Per cent of possible sunshine, 90

Prevailing wind direction, NE Total wind, 220

Average hourly velocity, 9.2 Extreme velocity, 14

Maximum velocity, 14 Direction, NE

Time began, 1:18 P

Reduced barometer, 30.14 7 a. m. 30.01 7 p. m.

River gage, +4.0 feet

Relative humidity, 85 7 a. m. 62 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

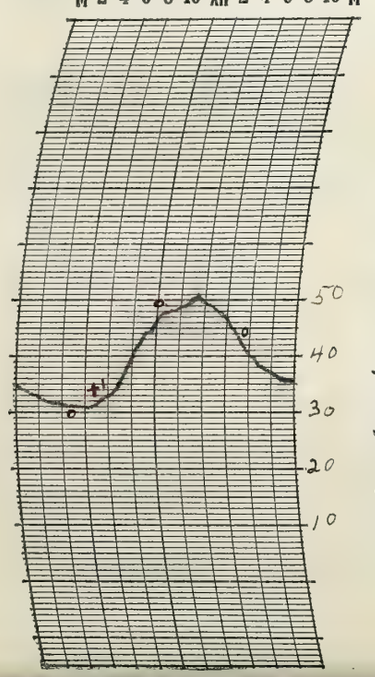
Dry temperature, 47.0 Wet temperature, 38.8

Dew-point, 28 R. humidity, 46 V. pressure, .150

Clouds: Amount, 1/2; Kind, Cu; Direction, E

Velocity of clouds (miles per hour)

THERMOGRAPH



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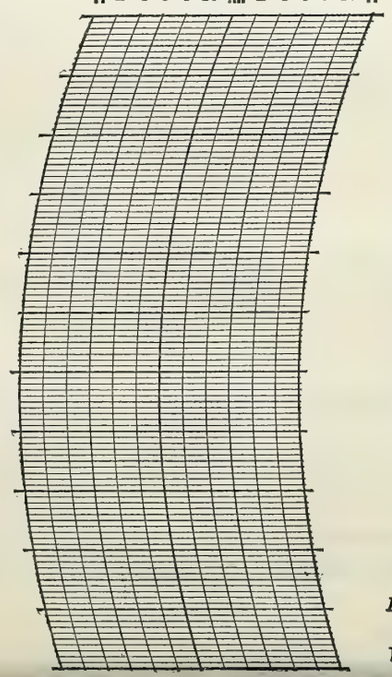
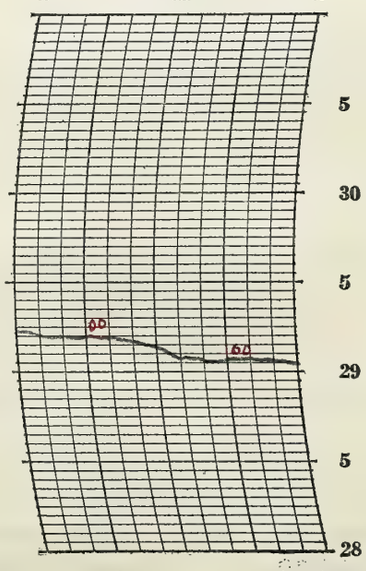


BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.H.

S—486

NOTES

a part cloudy day. Streets and sidewalks dry.
7 lying conditions good

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAR 22 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	36	35	35	35	35	35	35	37	43	46	47	50	51	52	51	50	48	48	45	42	41	40	38
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Cloudy			X Pt Cldy		X						Clear			→			
Sunshine (in tenths of hours)						0	0	0	0.4	0.9	0.9	0.8	1.0	1.0	1.0	0.7	0.1 0.7	.92 0						
Wind direction	NE	NE	N	N	NE	NE	N	N	N	NE	N	N	N	NE	NE	N	NE	NE	NE	NE	NE	NE	E	E
Wind movement	9	9	10	10	8	6	8	10	10	9	10	10	8	9	8	8	7	6	5	3	3	2	3	1
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 5:41 Character, Cloudy

Moonrise:

Sunset: Time, 5:55 Character, Clear

Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
52	35	44	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10), 5

Actual sunshine, hours, 8.4 Possible sunshine, hours, 12.2

Per cent of possible sunshine, 69

Prevailing wind direction, NE Total wind, 172

Average hourly velocity, 7.2 Extreme velocity, 13

Maximum velocity, 13 Direction, N

Time began, 7:33 A

Reduced barometer, 29.99 7 a. m. 29.94 7 p. m

River gage, + 4.1 feet

Relative humidity, 75 7 a. m. 54 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

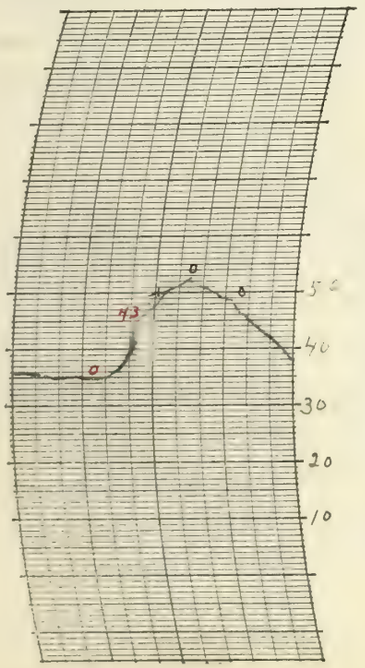
Dry temperature, 37.3 Wet temperature, 39.2

Dew-point, 28 R. humidity, 47 V. pressure, .150

Clouds: Amount, 2; Kind, Cu; Direction, N

Velocity of clouds (miles per hour)

THERMOGRAPH



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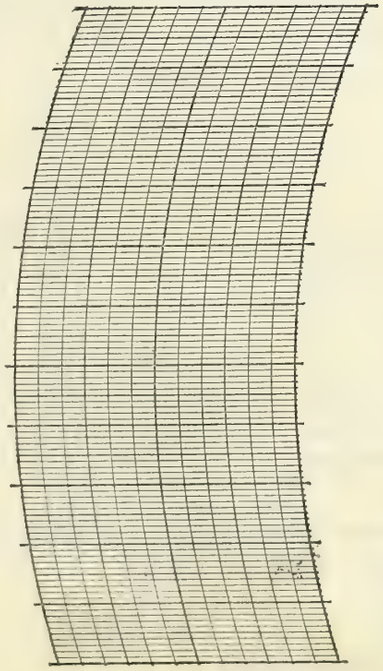
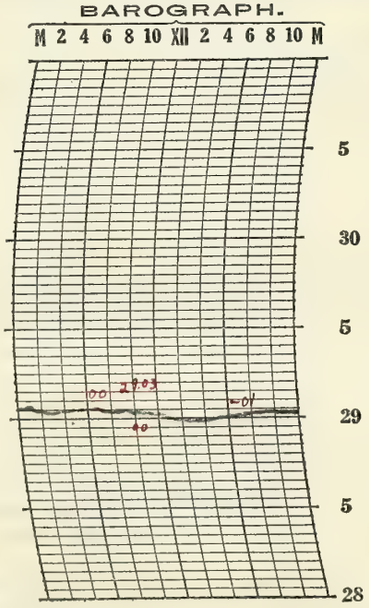


BAROGRAPH.



Prepared by L. C. S.

Verified by E. J. H

8—486

NOTES

a part cloudy but beautiful day.
Streets and sidewalks dry.
Fishing conditions good

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAR 23 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	37	36	35	34	33	34	36	40	44	48	49	52	52	53	55	54	54	53	52	51	50	49	49	49
State of weather: Nature of precipitation and time of beginning and ending																					RB 8:00P			Rain
Amounts of precipitation																					T	T	T	.01
Cloudiness and other conditions						←			Clear				×		Pt Cloudy						× Cloudy			→
Sunrise: Time, Character,	5:39 Clear																							
Moonrise:																								
Sunset: Time, Character,																					5:56 Cloudy			
Moonset:																								
Sunshine (in tenths of hours)						35 0	1.0 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0						
Wind direction	NE	NE	NE	NE	NE	NE	E	E	E	NE	NE	E	E	SE	SE	SE	SE	SE	SE	SE	SE	SE	E	E
Wind movement	2	4	3	3	2	2	2	4	3	5	3	6	7	8	8	9	10	6	7	8	10	8	8	9
Maximum velocities (exceeding 24 miles) direction and time																								

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
55	33	44	

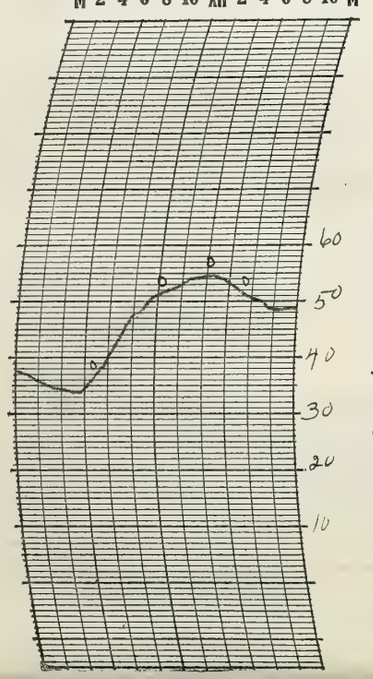
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 10.9 Possible sunshine, hours, 12.3
Per cent of possible sunshine, 89
Prevailing wind direction, SE Total wind, 137
Average hourly velocity, 5.7 Extreme velocity, 14
Maximum velocity, 14 Direction, SE
Time began, 4:39 P
Reduced barometer, 29.97 7 a. m. 29.80 7 p. m.
River gage, +4.1 feet
Relative humidity, 81 7 a. m. 44 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

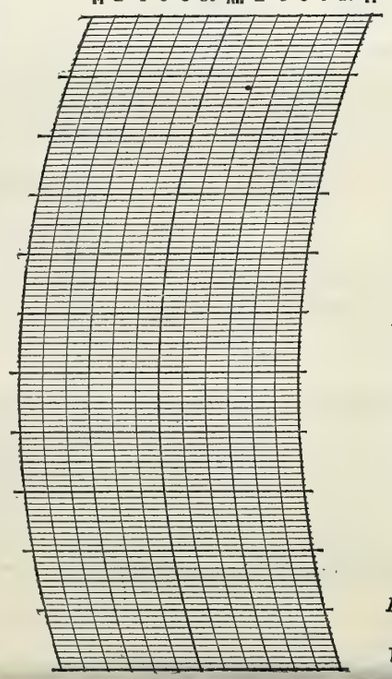
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 51.8 Wet temperature, 43.3
Dew-point, 34 R. humidity, 49 V. pressure, .195
Clouds: Amount, 2; Kind, Ci; Direction, W
Velocity of clouds (miles per hour)

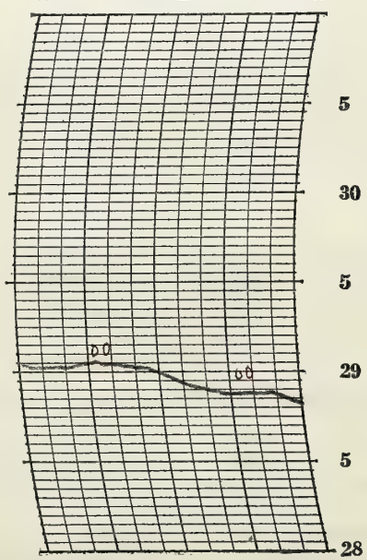
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

A clear and spring like day.
Suitable for flying. Streets and sidewalks dry during day.
Rain began at 8:50 P and continued till after midnight but streets did not become slippery.
× Hourly amounts estimated.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAR 24 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	47	48	48	47	46	45	45	46	48	50	49	49
Nature of precipitation and time of beginning and ending			RE DNA				RS 6:30		RE 8:45			RS 11:00 RE 11:15 S RM 11:53
Amounts of precipitation	.01	T	T				T	T	T			T
Cloudiness and other conditions	← Cloudy											
Sunrise: Time, Character,	5:38 Cloudy											
Moonrise:												
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	E	SE	SE	SE	SE	SE	SE	SE	SE	S	SW	SW
Wind movement	11	12	15	15	10	11	11	12	10	10	14	10

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	44	42	43	40	41	37	39	38	37	37	37	37
Nature of precipitation and time of beginning and ending												RM 11:45
Amounts of precipitation	T	.01	T	T	.01	T	T	T	.01	.01	T	.01
Cloudiness and other conditions												
Sunset: Time, Character,									5:57 Cloudy			
Moonset:												
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	16	14	15	14	13	13	11	12	12	10	9	8

State of weather.

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

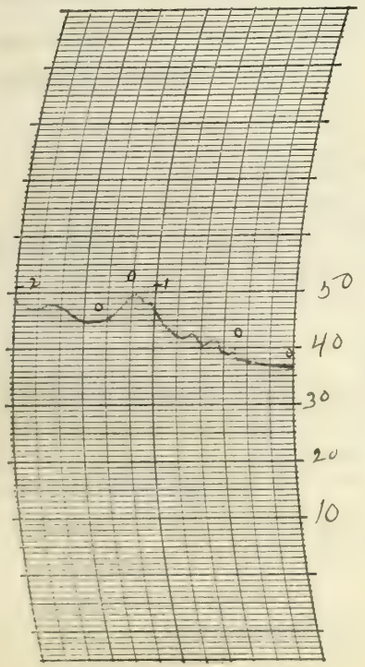
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
50	37	44	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., .02 ins.
Total precipitation, midnight to midnight, .06 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 12.3
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind, 288
Average hourly velocity, 12.0 Extreme velocity, 24
Maximum velocity, 22 Direction, SW
Time began, 12:58 P
Reduced barometer, 29.53 a. m. 29.50 p. m.
River gage, +3.7 feet
Relative humidity, 98 a. m. 94 p. m.

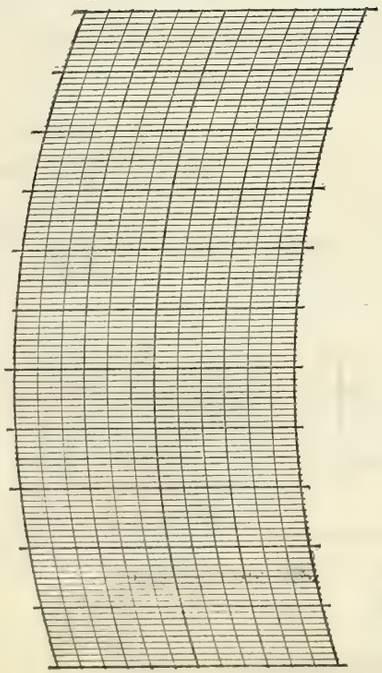
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 49.0 Wet temperature, 44.3
Dew-point, 40 R. humidity, 69 V. pressure, .247
Clouds: Amount, 3/7; Kind, Cu-Ase; Direction, SW
Velocity of clouds (miles per hour)

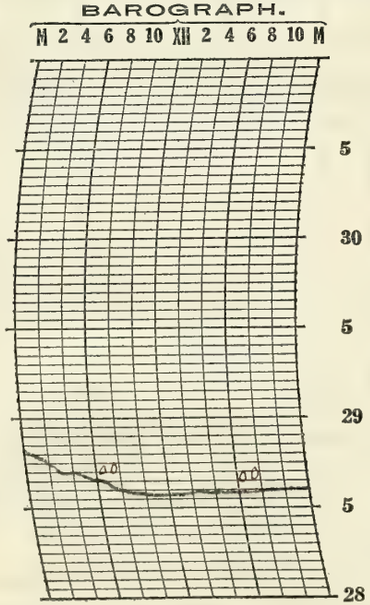
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. J. H.

8—486

NOTES

*Hourly amounts estimated
a Cloudy day. Light rain most
of the day.
Streets did not become slippery.
Poor flying conditions.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAR 25 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	37	38	38	39	36	35	36	36	36	37	38	38	39	40	38	38	38	38	37	36	36	35	35	36
State of weather: Nature of precipitation and time of beginning and ending				RE D.N.A.			RB 6:40		RE 8:45															
Amounts of precipitation	.01	.01	T	T			T	T	T															
Cloudiness and other conditions							←					Cloudy												→

Sunrise: Time, 5:36 Character, Cloudy
Moonrise:
Sunset: Time, 5:58 Character, Cloudy
Moonset:

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)						0	0	0	0	0	0	0	0	0	0	0	0	0						
Wind direction	SW	SW	SW	SW	W	W	W	W	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	N
Wind movement	8	8	7	10	13	12	10	12	14	15	20	16	18	19	18	17	14	13	14	11	10	8	7	9

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

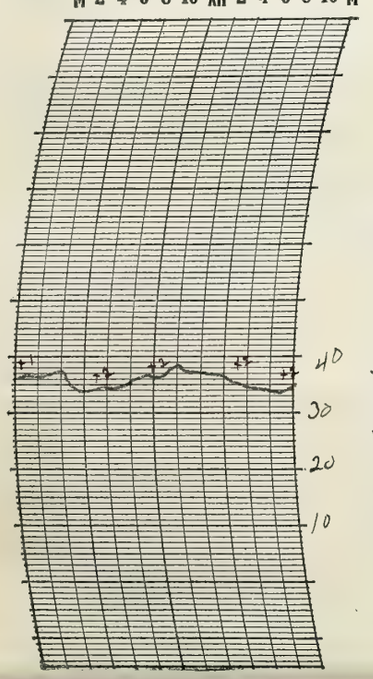
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
40	35	38	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .05 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .02 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 12.4
Per cent of possible sunshine, 0
Prevailing wind direction, NW Total wind, 303
Average hourly velocity, 12.6 Extreme velocity, 25
Maximum velocity, 24 Direction, NW
Time began, 10:21 A
Reduced barometer, 29.67 7 a. m. 30.07 7 p. m.
River gage, +3.8 feet
Relative humidity, 93 7 a. m. 84 7 p. m.

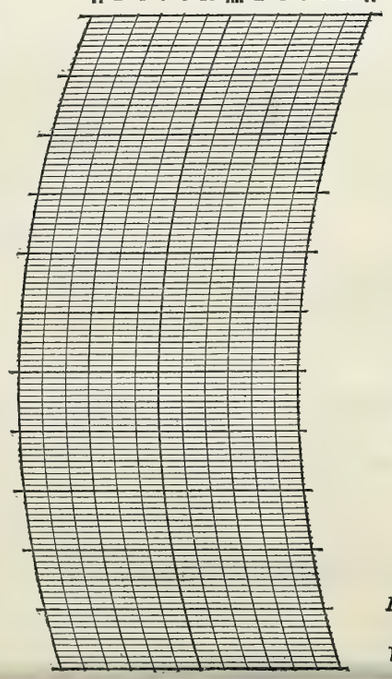
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 38.0 Wet temperature, 37.1
Dew-point, 36 R. humidity, 92 V. pressure, .211
Clouds: Amount, 10; Kind, Stcu.; Direction, NW
Velocity of clouds (miles per hour)

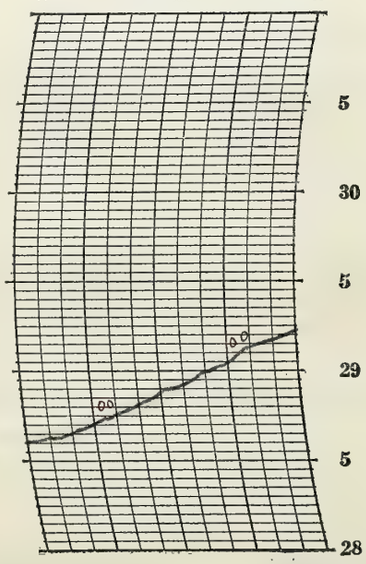
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.H

8—486

NOTES

* Hourly amounts estimated
a cloudy day. Streets wet all
forenoon but not slippery.
7 lying conditions fair

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAR 26 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	35	35	34	35	35	35	35	36	37	37	39
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Cloudy					
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	N	N	N	N	NE	NE	NE	NE	NE	E	NE	NE
Wind movement	9	8	7	7	7	5	7	9	7	5	5	6

Sunrise: Time, 5:34 Character, Cloudy
Moonrise:

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	39	40	40	41	40	38	37	35	35	35	35	36
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	E	E	E	E	E	E	E	E	E	E	E	E
Wind movement	8	9	10	12	13	14	13	14	14	12	16	13

Sunset: Time, 5:59 Character, Cloudy
Moonset:

Maximum velocities (exceeding 21 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

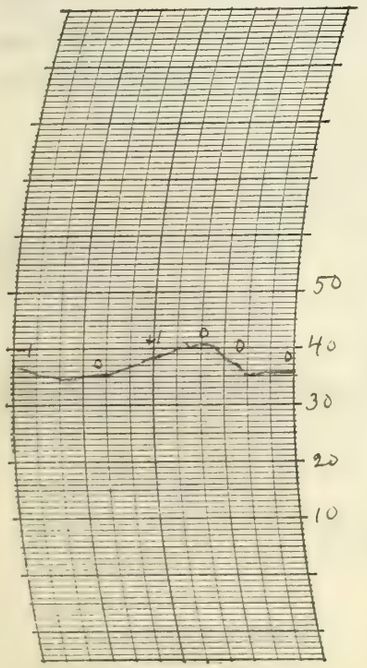
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
41	34	38	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 12.4
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind, 230
Average hourly velocity, 9.6 Extreme velocity, 21
Maximum velocity, 19 Direction, NE
Time began, 7:56 P
Reduced barometer, 30.32 7 a. m. 30.26 7 p. m
River gage, +3.6 feet
Relative humidity, 86 7 a. m. 86 7 p. m.

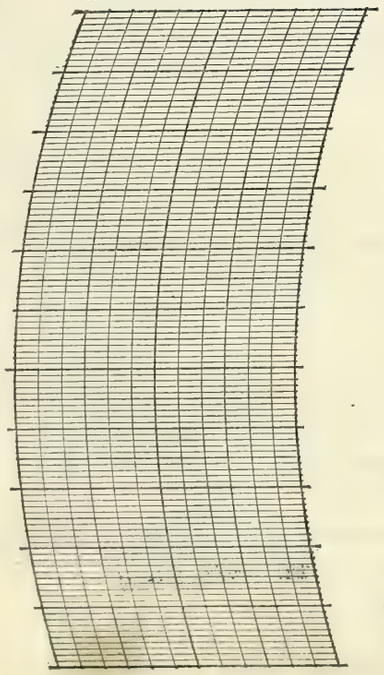
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 38.8 Wet temperature, 36.0
Dew-point, 32 R. humidity, 77 V. pressure, 186
Clouds: Amount, 10; Kind, Strat.; Direction, NE
Velocity of clouds (miles per hour)

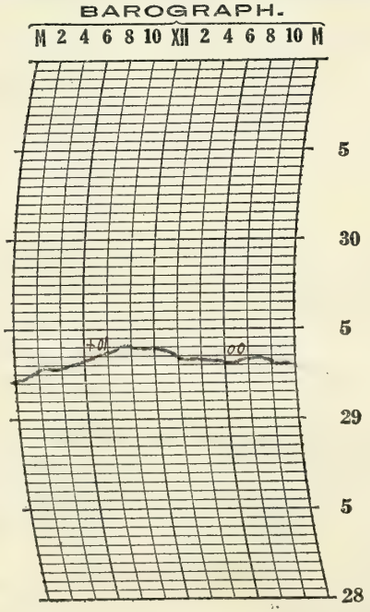
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. L.

8—486

NOTES

a cloudy day. suitable for flying. Streets and sidewalks dry.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) MAR 27 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	36	36	36	36	36	37	37	37	37	38	39
Nature of precipitation and time of beginning and ending							R 6:35					
Amounts of precipitation							T	T	.02	.04	.02	T
Cloudiness and other conditions							Cloudy					
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	E	E	E	E	E	E	E	E	E	NE	NE	E
Wind movement	16	13	13	11	11	10	11	10	11	8	9	10

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	39	39	40	40	40	40	40	40	40	40	41	41
Nature of precipitation and time of beginning and ending												R Intd
Amounts of precipitation	.01	T	T	T	T	.02	.01	.02	.01	.02	.02	.04
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	E	E	E	E	E	E	NE	E	E	E	E	E
Wind movement	11	12	13	12	11	11	11	12	15	15	16	16

Sunrise: Time, 5:33 Character, Cloudy

Moonrise:

Sunset: Time, 6:00 Character, Cloudy

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
41	36	38	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m. 0.12 ins.

Total precipitation, midnight to midnight, 0.23 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 12.4

Per cent of possible sunshine, 0

Prevailing wind direction, E Total wind, 288

Average hourly velocity, 12.0 Extreme velocity, 22

Maximum velocity, 22 Direction, E

Time began, 12:16 A

Reduced barometer, 30.16 7 a. m. 29.94 7 p. m.

River gage, +3.6 feet

Relative humidity, 87 7 a. m. 96 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

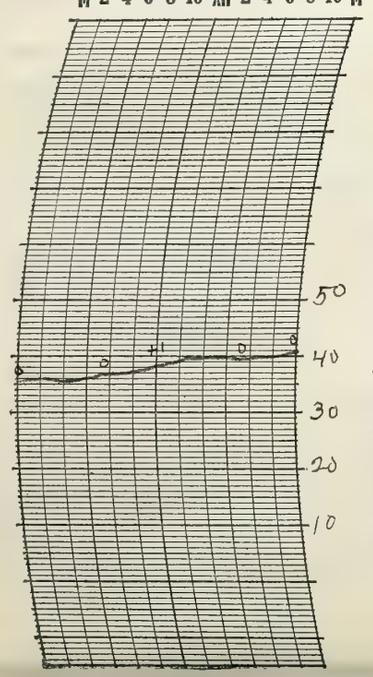
Dry temperature, 38.6 Wet temperature, 38.3

Dew-point, 38 R. humidity, 98 V. pressure, .218

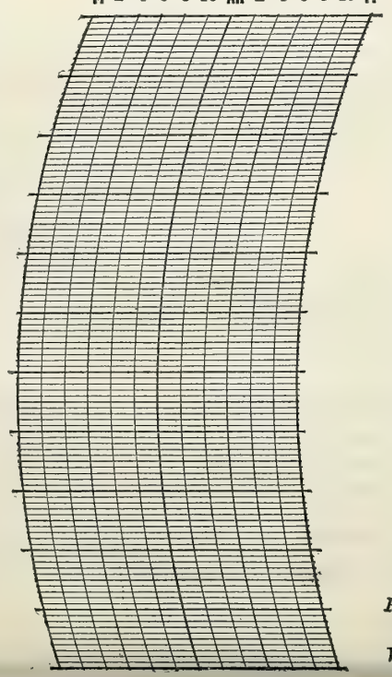
Clouds: Amount, 10; Kind, St; Direction, NE

Velocity of clouds (miles per hour)

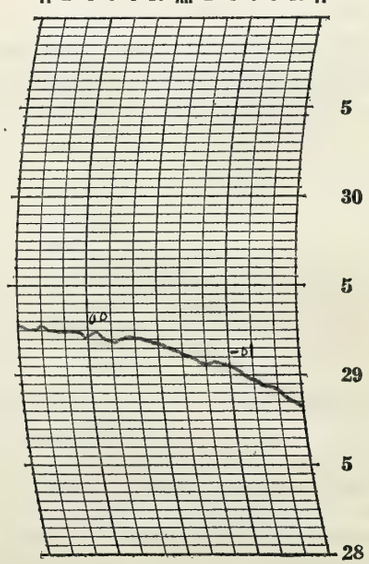
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.H

NOTES

Light rain began at 6:35 A.M. and continued into the night. Rain became heavier at night. Streets did not become slippery. Flying conditions were good throughout the day and night.

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAR 28 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	42	43	46	48	49	49	49	49	47	44	40	39
State of weather: Nature of precipitation and time of beginning and ending	Cont'd					5:05			RB 8:50		RE 10:03	
Amounts of precipitation	0.13	06	03	T	03	.01			T	T	T	
Cloudiness and other conditions							← Clear					
Sunrise: Time, Character, 5:31 clear												
Moonrise:												
Sunshine (in tenths of hours)						.48 0	0.4 0.6	1.0	0.1	0	0	0
Wind direction	E	E	E	SE	SE	S	S	S	S	SW	SW	SW
Wind movement	15	14	13	18	18	12	15	16	16	17	19	20
Maximum velocities (exceeding 24 miles) direction and time												

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	35	34	33	32	32	31	31	32	32	31	31
State of weather: Nature of precipitation and time of beginning and ending							SDB 6:20	SDE 7:30				
Amounts of precipitation							T	T				
Cloudiness and other conditions					Cloudy							
Sunset: Time, Character, 6:01 cloudy												
Moonset:												
Sunshine (in tenths of hours)	0	0	0	0	0	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	22	19	20	20	20	18	20	18	21	16	17	17

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
50	31	40	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0.37 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 0.26 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 2.6 Possible sunshine, hours, 12.5
Per cent of possible sunshine, 21
Prevailing wind direction, SW Total wind, 421
Average hourly velocity, 17.5 Extreme velocity, 26
Maximum velocity, 24 Direction, SW
Time began, 6:38 P
Reduced barometer, 29.66 7 a. m. 29.73 7 p. m
River gage, +3.6 feet
Relative humidity, 65 7 a. m. 85 7 p. m.

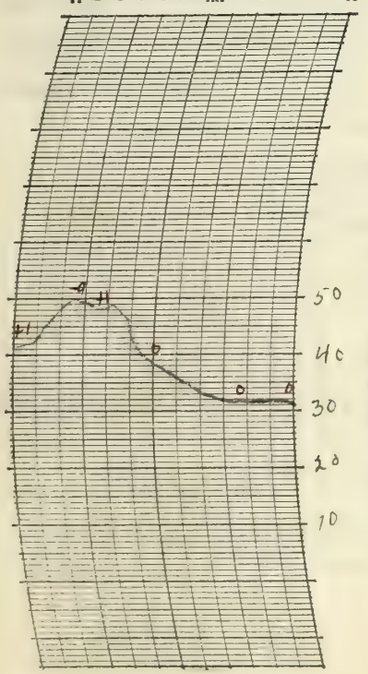
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

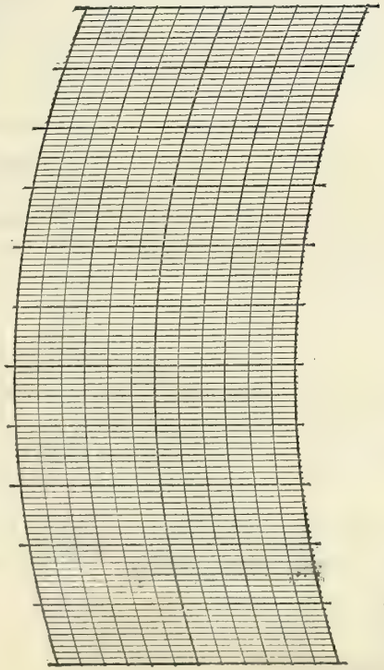
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 38.8 Wet temperature, 36.3
Dew-point, 33 R. humidity, 80 V. pressure, .187
Clouds: Amount, 10; Kind, St Cu; Direction, SW
Velocity of clouds (miles per hour)

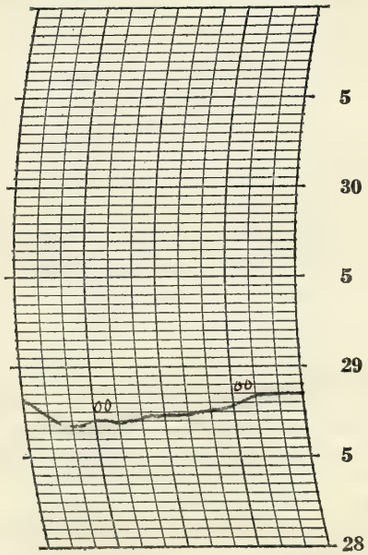
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.
Verified by E.L.H.

8—486

NOTES

a clear beautiful sunrise followed by cloudy weather after 8:00 AM
Some light precipitation and fresh winds most of the day and int. the night
Flying conditions not bad
No damage from wind reported.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAR 29 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	31	31	31	31	31	30	29	29	29	30	30	31
State of weather: Nature of precipitation and time of beginning and ending							SDE 6:45					
Amounts of precipitation							T	T	T	T	T	T
Cloudiness and other conditions						←					Cloudy	
Sunrise: Time, 5:29 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	SW	SW	W	W	SW	SW	SW	W	W	W	W	W
Wind movement	16	16	15	15	13	13	14	14	13	13	13	13
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	31	31	31	31	30	30	30	30	30	30	29	29
State of weather: Nature of precipitation and time of beginning and ending					SDE 5:00				RB 8:10			Rain
Amounts of precipitation	T	T	T	T	T				T	T	T	T
Cloudiness and other conditions												→
Sunset: Time, 6:02 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0	0	0	0	0	0	0					
Wind direction	W	W	W	W	W	W	W	W	W	W	W	W
Wind movement	14	13	13	15	14	13	12	10	9	10	8	9
Maximum velocities (exceeding 24 miles) direction and time												

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
31	29	30	

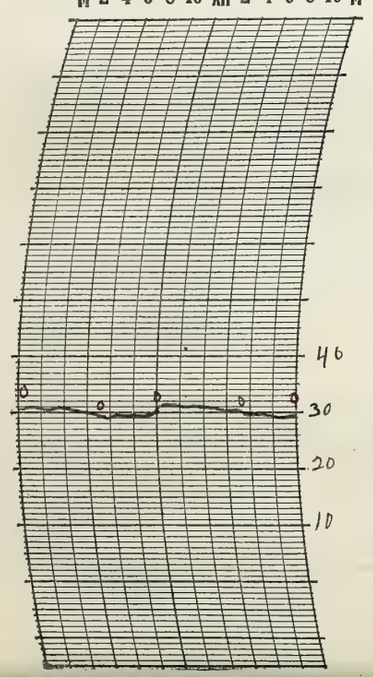
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 12.6
Per cent of possible sunshine, 0
Prevailing wind direction, W Total wind, 308
Average hourly velocity, 12.8 Extreme velocity, 21
Maximum velocity, 20 Direction, SW
Time began, 2:07 A.
Reduced barometer, 29.89 7 a. m. 30.03 7 p. m.
River gage, +6.3 feet
Relative humidity, 94 7 a. m. 84 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

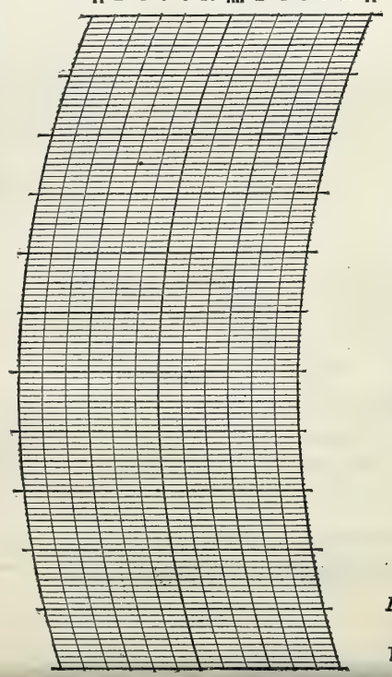
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 30.8 Wet temperature, 29.5
Dew-point, 28 R. humidity, 86 V. pressure, .150
Clouds: Amount, 10; Kind, St-Cu; Direction, W
Velocity of clouds (miles per hour)

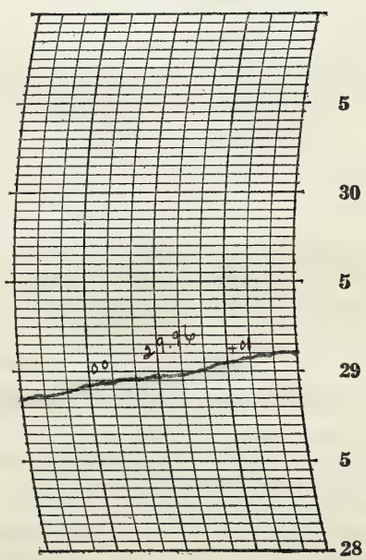
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H

NOTES

a cloudy threatening cold windy day. Light precipitation in the form of very dry snow fell throughout the day while some light rain fell at night & flying conditions favorable.

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAR 30 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	30	30	31	31	31	31	33	33	34	36	37	38
Nature of precipitation and time of beginning and ending	Rain	RE D.N.H.										
Amounts of precipitation	T	T										
Cloudiness and other conditions							← Cloudy	×			Pt Cloudy	
Sunrise: Time, Character,	5:28 Cloudy											
Moonrise:												
Sunshine (in tenths of hours)						0	0	0	0.2	1.0	1.0	1.0
Wind direction	W	W	W	W	W	W	W	W	NW	NW	NW	NW
Wind movement	9	10	10	11	9	8	8	12	13	14	13	12

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	38	39	41	41	40	40	40	39	39	38	33	32
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			×		Cloudy →							
Sunset: Time, Character,									6:03 Cloudy			
Moonset:												
Sunshine (in tenths of hours)	1.0	1.0	0.2	0	0	0	0					
Wind direction	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	13	10	11	9	9	7	6	6	5	4	4	5

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
41	29	35	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 5.4 Possible sunshine, hours, 12.6
Per cent of possible sunshine, 43
Prevailing wind direction, NW Total wind, 218
Average hourly velocity, 9.1 Extreme velocity, 17
Maximum velocity, 16 Direction, NW
Time began, 8:48 A
Reduced barometer, 30.15 7 a. m. 30.13 7 p. m.
River gage, +6.1 feet
Relative humidity, 84 7 a. m. 74 7 p. m.

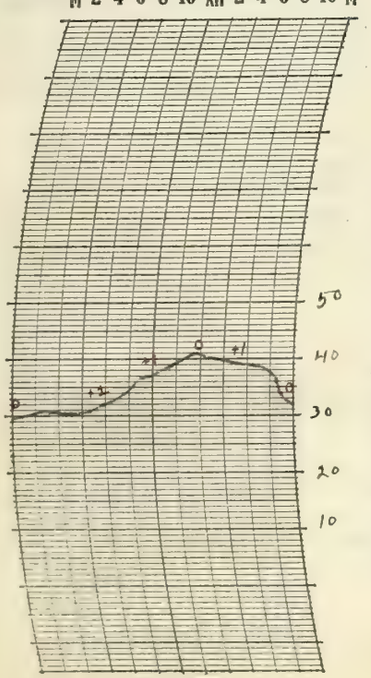
Maximum velocities (exceeding 34 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

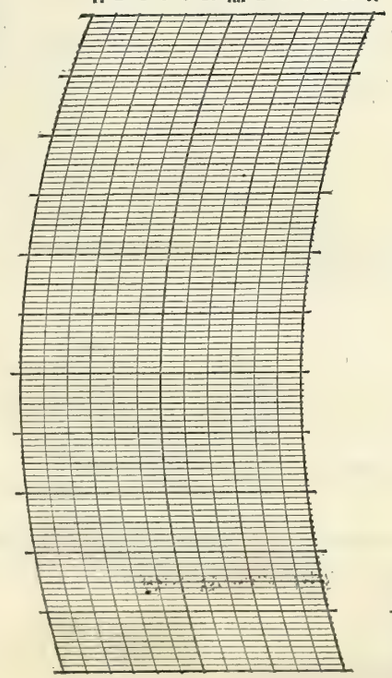
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 38.0 Wet temperature, 34.4
Dew-point, 30 R. humidity, 70 V. pressure, .164
Clouds: Amount, 6; Kind, Strat; Direction, NW
Velocity of clouds (miles per hour)

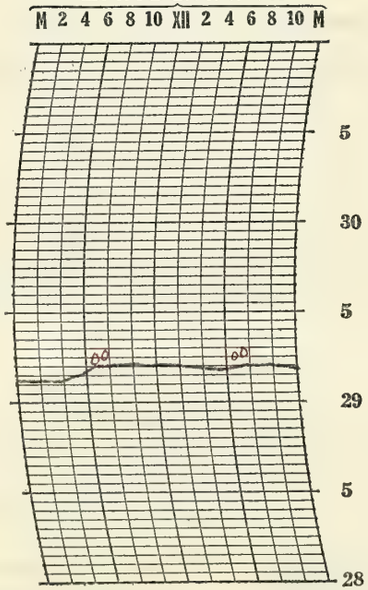
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

a cloudy day. 7 drying conditions good.
Streets dry

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAR 31 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	31	31	31	30	30	31	32	36	42	42	42	43	44	44	43	44	43	41	40	38	38	38	36	36
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←					Cloudy							Pt Cldy		→			
Sunshine (in tenths of hours)						0	0	0	1.0	0.7	0.3	0.7	0.7	0.8	0.3	0	0	0	0					
Wind direction	NW	NW	NW	NW	N	N	N	NE	NE	E	E	E	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	4	6	4	5	6	6	6	6	7	9	10	12	12	14	15	13	13	12	11	12	11	12	14	13
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 5:26 Character, Cloudy
Moonrise:
Sunset: Time, 6:04 Character, Cloudy
Moonset:

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

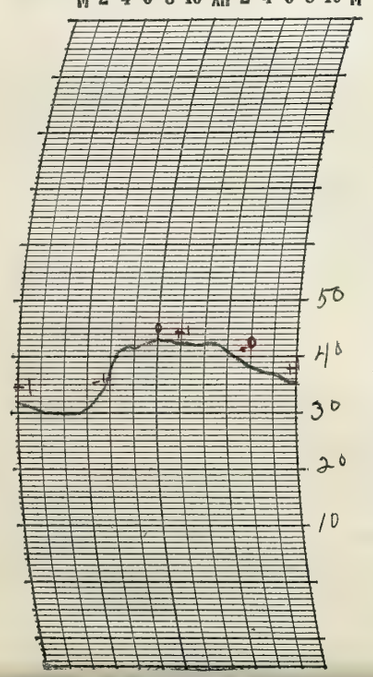
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
44	30	37	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 4.5 Possible sunshine, hours, 12.6
Per cent of possible sunshine, 36
Prevailing wind direction, NE Total wind, 233
Average hourly velocity, 9.7 Extreme velocity, 20
Maximum velocity, 18 Direction, NE
Time began, 2:18 P
Reduced barometer, 30.09 7 a. m. 29.83 7 p. m.
River gage, +5.0 feet
Relative humidity, 88 7 a. m. 64 7 p. m.

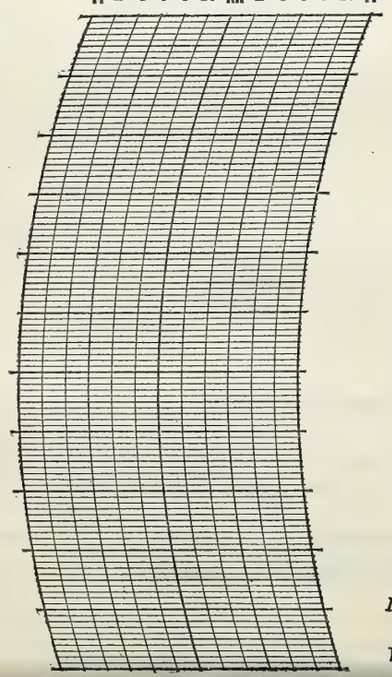
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 43.3 Wet temperature, 38.1
Dew-point, 31 R. humidity, 62 V. pressure, .172
Clouds: Amount, 10; Kind, Stcu; Direction, NE
Velocity of clouds (miles per hour)

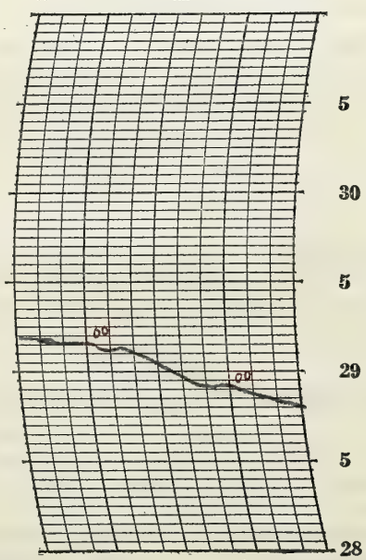
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

a cloudy day. 7 Spring conditions good.
Streets dry.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) APR 7 1921, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	34	34	34	35	35	35	33	32	32	34	37
State of weather: Nature of precipitation and time of beginning and ending		SO3 DNA SOE DNA.						SHB 7.06				
Amounts of precipitation		T						T	T	02	05	01
Cloudiness and other conditions												
Sunrise: Time, Character, 5:24 Cloudy												
Moonrise:												
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	NE	NE	NE	N	N	N	N	N	N	N	N	N
Wind movement	14	16	14	14	14	15	15	14	15	14	13	16

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	36	36	36	37	34	34	33	32	32	32	33
State of weather: Nature of precipitation and time of beginning and ending												SHE DNP
Amounts of precipitation	01	01	T	T	03	03	01	T	T	01	T	01
Cloudiness and other conditions	Cloudy											
Sunset: Time, Character, 6:06 Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0	0	0	0	0	0	0					
Wind direction	N	N	N	NW	NW	N	N	N	N	N	N	NW
Wind movement	16	16	19	18	15	17	14	13	12	12	10	7

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

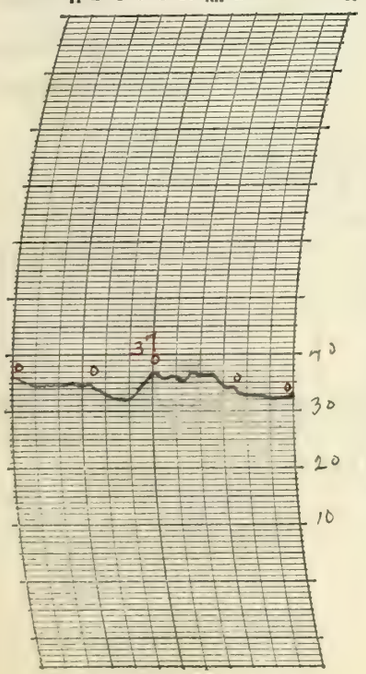
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
37	32	34	

Total depth of snow for 24 hours ending 7 p. m., 1.7 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 1.9 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0.17 ins.
Total precipitation, midnight to midnight, 0.19 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 12.7
Per cent of possible sunshine, 0
Prevailing wind direction, N Total wind, 343
Average hourly velocity, 14.3 Extreme velocity, 24
Maximum velocity, 22 Direction, N
Time began, 5:37 P
Reduced barometer, 29.587 a. m. 29.517 p. m.
River gage, +5.0 feet
Relative humidity, 77 7 a. m. 95 7 p. m.

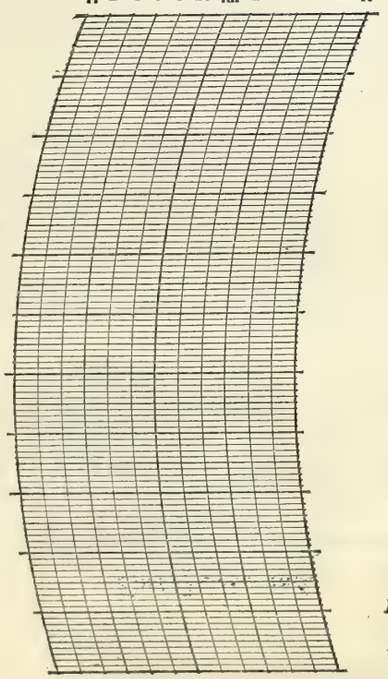
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 36.6 Wet temperature, 34.
Dew-point, 31 R. humidity, 79 V. pressure, 172
Clouds: Amount, 10; Kind, St.; Direction, NW
Velocity of clouds (miles per hour)

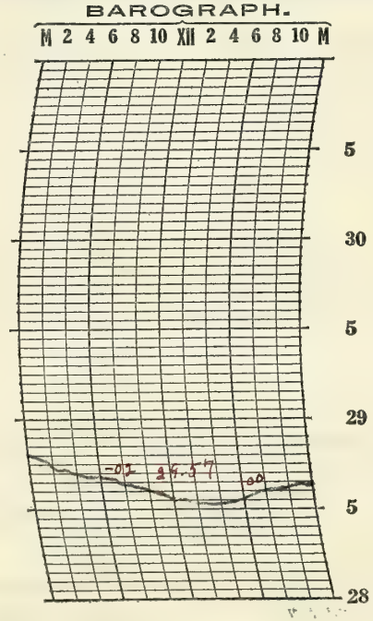
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. H.

8—486

NOTES

a cloudy day. Traveling conditions poor till noon and again at night but fair during early afternoon. Streets did not become slippery

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

APR 2 1931

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) ....., 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	33	34	33	32	32	34	35	39	42	45	48	49	50	51	52	51	50	48	47	46	46	45	43
State of weather: Nature of precipitation and time of beginning and ending																							R 13 SNP	R end
Amounts of precipitation																							T	.04
Cloudiness and other conditions							←	Clear				→	Partly			→	Clear				→			
Sunshine (in tenths of hours)						.62 0	.04 .06	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0	0					
Wind direction	NW	W	W	W	W	W	W	W	W	W	W	W	W	SW	W	SW	SW	SW	SW	S	S	S	SW	S
Wind movement	5	7	8	8	8	9	7	7	8	10	8	10	8	9	8	8	8	6	5	4	4	5	6	4
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 5:23 Character, Clear
Moonrise:
Sunset: Time, 6:07 Character, Cloudy
Moonset:

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

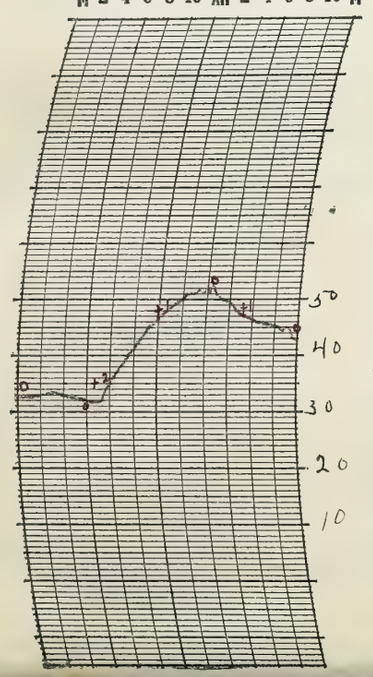
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
52	32	42	

Total depth of snow for 24 hours ending 7 p. m., 0.2 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .04 inches.
Character of day, Clear Moon phase, ...
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 11.2 Possible sunshine, hours, 12.7
Per cent of possible sunshine, 88
Prevailing wind direction, W Total wind, 170
Average hourly velocity, 7.1 Extreme velocity, 13
Maximum velocity, 13 Direction, W
Time began, 11:12 A
Reduced barometer, 29.69 7 a. m. 29.76 7 p. m.
River gage, +4.4 feet
Relative humidity, 80 7 a. m. 48 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 48.1 Wet temperature, 39.0
Dew-point, 27 R. humidity, 42 V. pressure, .143
Clouds: Amount, 1/2; Kind, Ci cu cu; Direction, W SW
Velocity of clouds (miles per hour) .....

THERMOGRAPH



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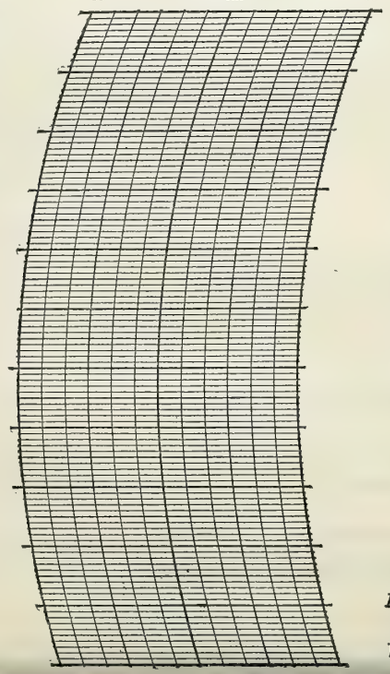
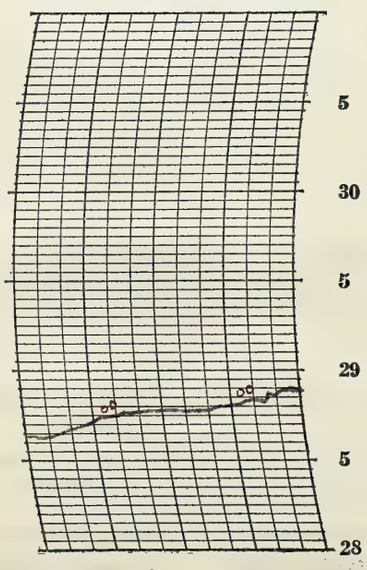


BAROGRAPH.



Prepared by L. C. S.

Verified by .....

NOTES

a Clear day. Suitable for flying

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) APR 8 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	41	40	39	39	38	38	38	38	39	39	39	39	39	39	38	39	40	40	40	40	40	39	39	39
					RE 4:55				RB 8:10							RE 3:10								
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation	09	09	0.11	09	05				T	T	T	T	T	T	T	T								
Cloudiness and other conditions						Cloudy																		

Sunrise: Time, 5:21 Character, Cloudy

Moonrise:

Sunset: Time, 6:08 Character, Cloudy

Moonset:

Sunshine (in tenths of hours)						0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Wind direction	SE	E	NE	NE	E	E	E	NE	NE	NE	NE	NE	NE	NE	NE	NE	N	N	N	N	N	N	N	NW
Wind movement	6	7	9	7	11	10	9	10	10	9	11	12	12	11	9	11	10	7	6	9	9	5	6	7
Maximum velocities (exceeding 34 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
43	38	40	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0.47 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight 0.43 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 12.8

Per cent of possible sunshine, 0

Prevailing wind direction, NE Total wind, 213

Average hourly velocity, 8.9 Extreme velocity, 14

Maximum velocity, 14 Direction, NE

Time began, 3:40 P

Reduced barometer, 29.74 7 a. m. 29.88 7 p. m

River gage, +44 feet

Relative humidity, 96 7 a. m. 88 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

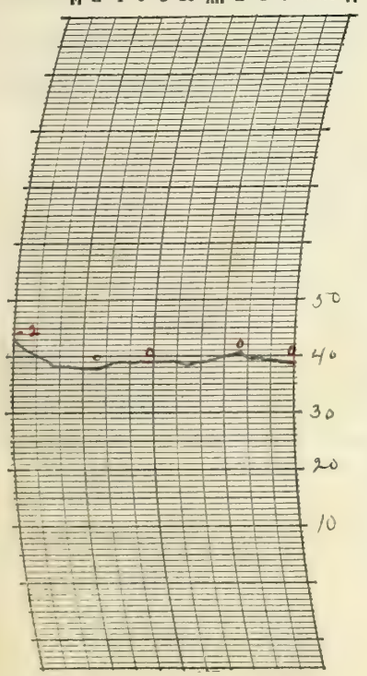
Dry temperature, 38.8 Wet temperature, 37.8

Dew-point, 37 R. humidity, 92 V. pressure, 219

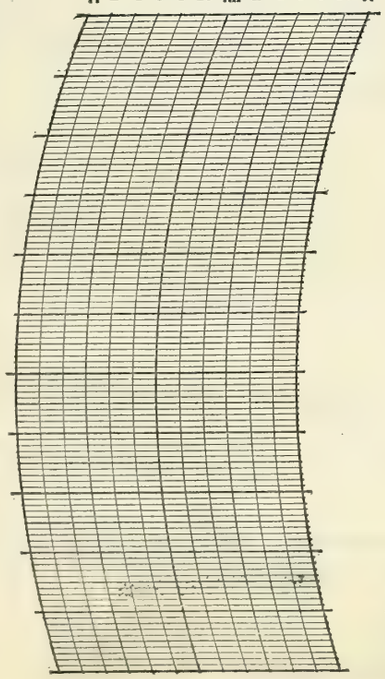
Clouds: Amount, 10; Kind, St; Direction, SE

Velocity of clouds (miles per hour)

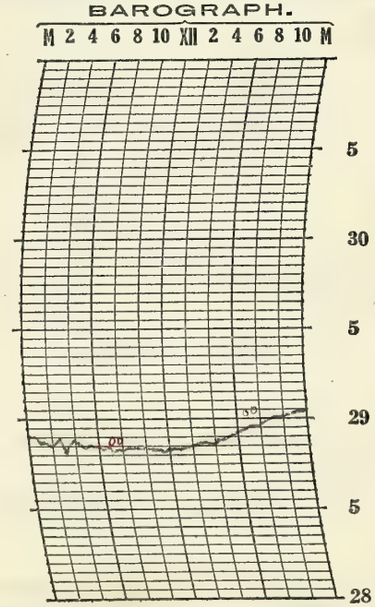
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. J.

8—486

NOTES

a cloudy day with mist a great portion of the day

7 lying conditions poor!

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) APR 4 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	39	38	35	34	33	33	36	39	43	44	46	48	49	50	51	51	53	51	50	50	48	43	41	40
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←					Clear							Cloudy	→				
Sunshine (in tenths of hours)						.68 0	.04 .06	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9 0.1	.15 0					
Wind direction	NW	NW	NW	NW	NW	NW	NW	N	NE	N	N	N	NE	N	N	N	N	N	N	N	N	NW	N	NE
Wind movement	8	7	6	6	4	3	4	5	5	7	8	7	8	8	9	8	6	5	4	2	5	9	7	6

Sunrise: Time, 5:19 Character, Clear

Moonrise:

Sunset: Time, 6:09 Character, Clear

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
53	33	43	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 1

Actual sunshine, hours, 12.8 Possible sunshine, hours, 12.8

Per cent of possible sunshine, 100

Prevailing wind direction, N Total wind, 147

Average hourly velocity, 6.1 Extreme velocity, 12

Maximum velocity, 12 Direction, N

Time began, 12:14 P

Reduced barometer, 30.13 7 a. m. 30.20 7 p. m.

River gage, +6.9 Feet

Relative humidity, 69 7 a. m. 64 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

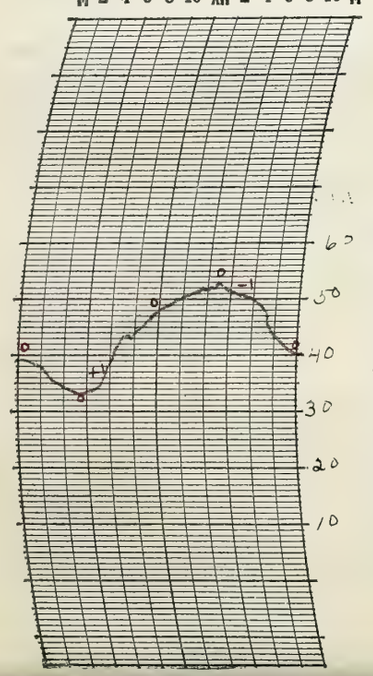
Dry temperature, 47.8 Wet temperature, 40.0

Dew-point, 30 R. humidity, 49 V. pressure, .164

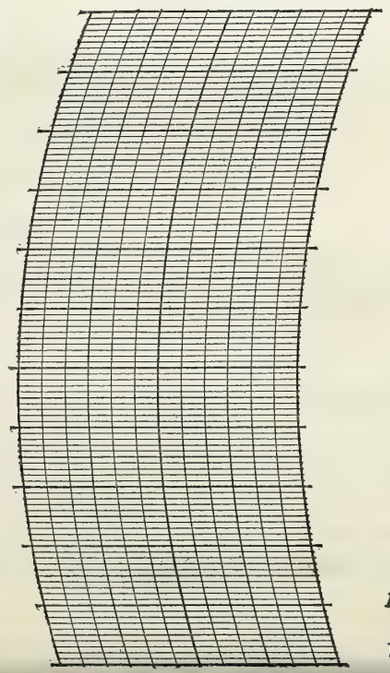
Clouds: Amount, 0; Kind, 0; Direction, 0

Velocity of clouds (miles per hour)

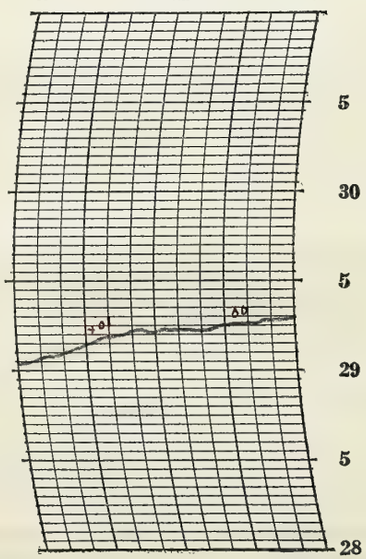
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by I. C. S.

Verified by C. L. H.

NOTES

a clear beautiful springlike day. Part cloudy at night. Flying conditions good

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD. Easter

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) APR 5 1931, 193

Time (local standard) 90 mer. normal time.	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	40	38	37	36	35	34	36	39	44	47	48	50	50	51	52	51	50	48	47	46	45	44	43	42
State of weather: Nature of precipitation and time of beginning and ending																		RB 5:15 RE 5:20	RB 6:56	RE 7:35				
Amounts of precipitation																		T	T	T				
Cloudiness and other conditions							←			clear					x Precip	+ Cloudy				→				
Sunshine (in tenths of hours)						.72 0	0.3 0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.6	0.1	0	0					
Wind direction	E	E	E	E	E	E	NE	NE	NE	NE	E	E	NE	N	N	NE	NE	NE	NE	NE	N	NE	NE	NE
Wind movement	9	6	5	4	3	5	5	6	6	9	10	7	9	10	9	10	9	9	8	5	5	4	2	5
Maximum velocities (exceeding 14 miles) direction and time																								

Sunrise: Time, 5:17 Character, Clear
Moonrise:
Sunset: Time, 6:10 Character, Cloudy
Moonset:

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
52	34	43	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 10.2 Possible sunshine, hours, 12.9
Per cent of possible sunshine, 79
Prevailing wind direction, NE Total wind, 160
Average hourly velocity, 6.7 Extreme velocity, 16
Maximum velocity, 15 Direction, NW
Time began, 6:48 P
Reduced barometer, 30.30 7 a. m. 30.25 7 p. m.
River gage, + 6.5 feet
Relative humidity, 67 7 a. m. 57 7 p. m.

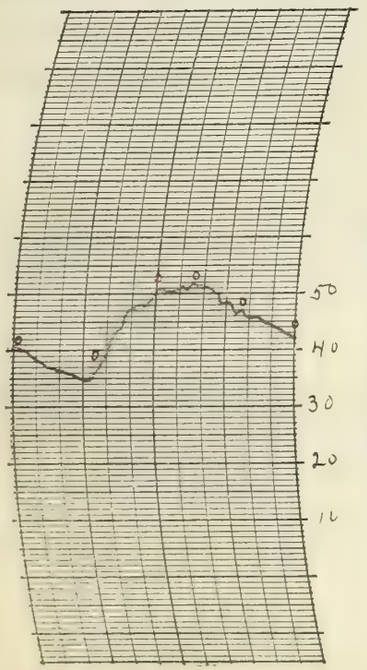
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 50.2 Wet temperature, 41.7
Dew-point, 31 R. humidity, 47 V. pressure, .172
Clouds: Amount, 1; Kind, Cu; Direction, NE
Velocity of clouds (miles per hour)

THERMOGRAPH



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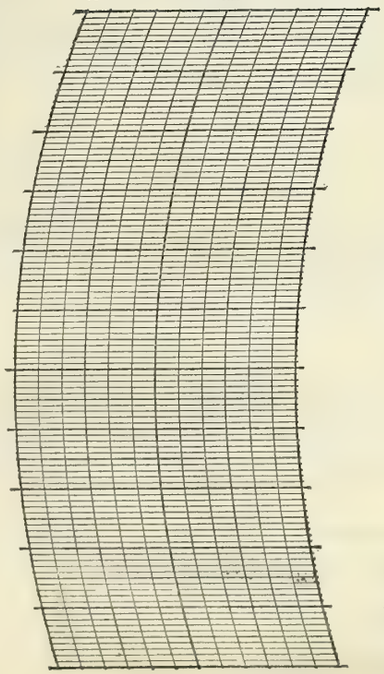
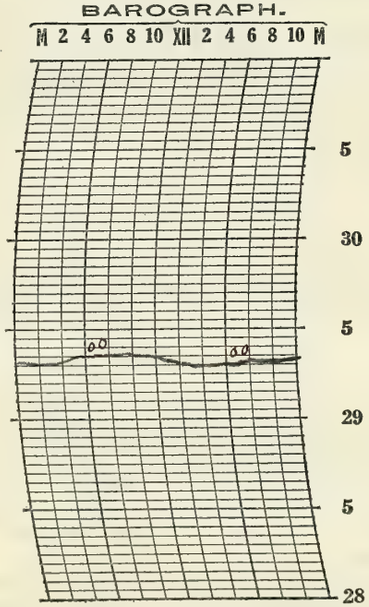


BAROGRAPH.



Prepared by L. C. J.
Verified by E. L. H.

8—486

NOTES

Clear forenoon becoming cloudy in late afternoon. Flying conditions good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) APR 6 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	40	37	36	35	34	33	35	37	38	39	42	46
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Pt Cloudy					
Sunshine (in tenths of hours)						.73 0	0.7 0.2	1.0	0.8	0.6	1.0	1.0
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	6	9	7	7	5	6	7	9	8	8	7	7

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	46	47	48	49	47	46	44	43	41	40	39	37
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.9	0.3	0.7 0.1	.18 0					
Wind direction	N	N	N	N	N	N	N	N	N	N	N	N
Wind movement	8	8	9	9	9	7	7	4	5	3	4	3

Sunrise: Time, 5:16 Character, Clear
Moonrise:
Sunset: Time, 6:11 Character, Clear
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

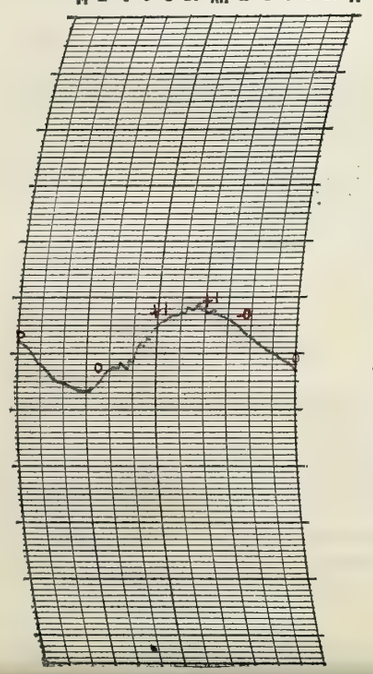
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
49	33	41	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 11.2 Possible sunshine, hours, 12.9
Per cent of possible sunshine, 87
Prevailing wind direction, N & NE Total wind, 162
Average hourly velocity, 6.8 Extreme velocity, 12
Maximum velocity, 12 Direction, N
Time began, 1:49 P
Reduced barometer, 30.32 7 a. m. 30.20 7 p. m.
River gage, + 5.4 Feet
Relative humidity, 64 7 a. m. 50 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 45.7 Wet temperature, 38.0
Dew-point, 27 R. humidity, 48 V. pressure, .143
Clouds: Amount, 4; Kind, Cu; Direction, N
Velocity of clouds (miles per hour)

THERMOGRAPH



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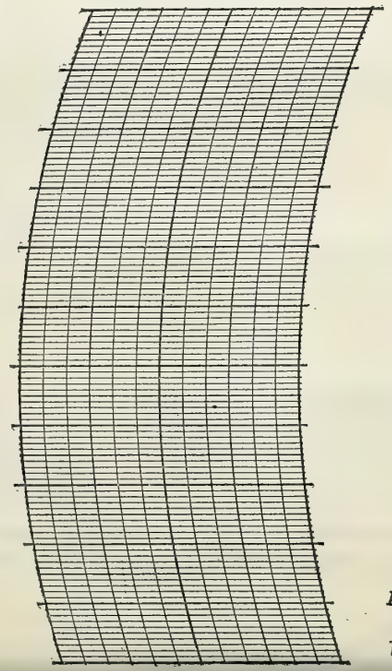

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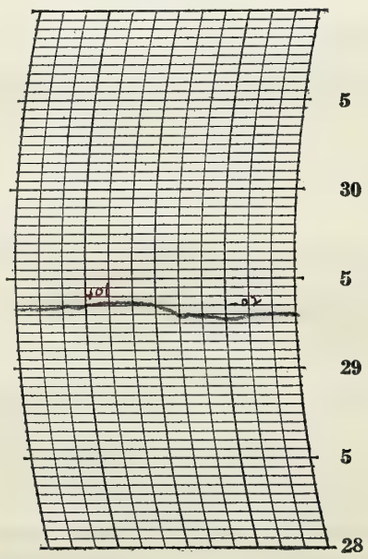


Prepared by L. C. S.

Verified by E. L. H

NOTES

a clear beautiful day.
7 lying conditions good.

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) APR 7 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	37	35	33	32	33	33	35	40	44	47	49	52	54	55	56	57	56	55	53	51	50	49	47	46
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←				Clear				×		Partly				→			
Sunshine (in tenths of hours)						.77 0	0.3 0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0	0					
Wind direction	N	N	N	N	N	N	N	W	W	NW	NW	W	W	W	SW	W	SW	SW	SW	SW	SW	SW	S	S
Wind movement	4	2	2	2	2	3	4	5	4	4	4	5	6	7	7	7	7	7	4	3	3	4	5	6
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 5:14 Character, Clear
Moonrise:
Sunset: Time, 6:12 Character, Cloudy
Moonset:

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

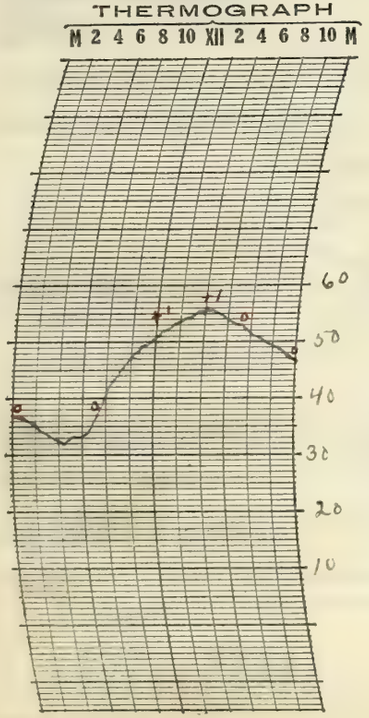
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
57	32	44	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 11.2 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 86
Prevailing wind direction, SW & N Total wind, 107
Average hourly velocity, 4.5 Extreme velocity, 10
Maximum velocity, 10 Direction, SW
Time began, 5:07 P
Reduced barometer, 30.16 7 a. m. 29.99 7 p. m.
River gage, +4.5 feet
Relative humidity, 59 7 a. m. 40 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 51.6 Wet temperature, 38.1
Dew-point, 16 R. humidity, 22 V. pressure, .085
Clouds: Amount, 1; Kind, Ci; Direction, N
Velocity of clouds (miles per hour)

THERMOGRAPH



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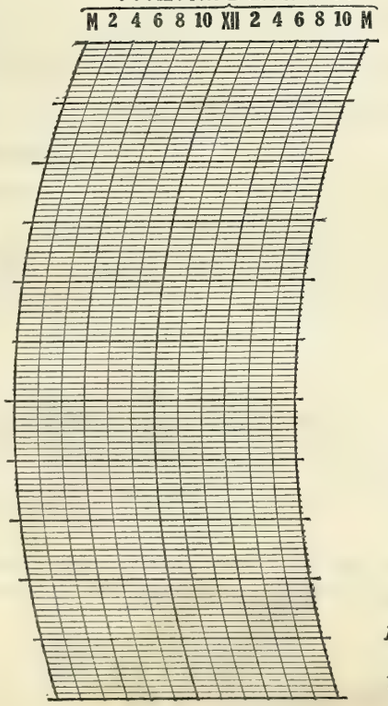
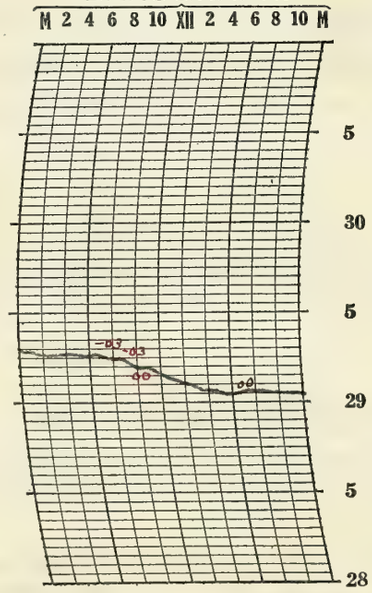


BAROGRAPH.



Prepared by L.C.S.

Verified by E.H.

8—486

NOTES

a clear forenoon becoming
part cloudy in middle afternoon.
7 lying conditions good

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) APR 8 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	45	45	44	43	43	43	44	49	54	59	63	67	70	73	75	77	76	74	72	68	66	64	61	60
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←					Clear								P+ cly →					
Sunrise: Time, Character, 5:13 Clear																					Sunset: Time, Character, 6:13 Clear			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)						.78 0	0.5 0.5	1.0	0.9	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9 0.1	.22 0					
Wind direction	S	S	S	SE	SE	SE	SE	S	S	S	S	S	S	SW	SW	SW	W	SW	SW	SW	SW	SW	SW	SW
Wind movement	7	6	8	6	8	7	9	9	9	9	9	10	11	9	11	10	9	5	4	5	6	7	7	8
Maximum velocities (exceeding 24 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

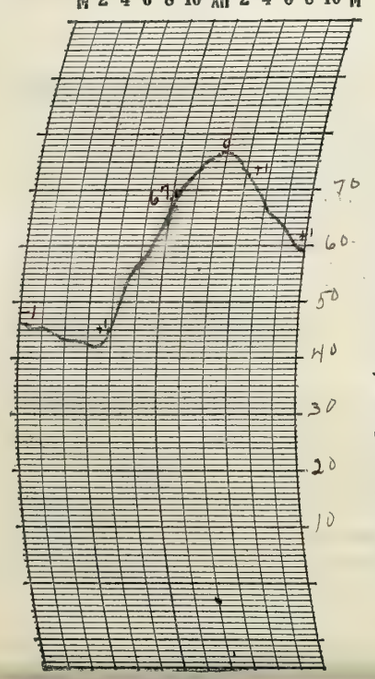
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
77	43	60	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 12.7 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 98
Prevailing wind direction, SW Total wind, 189
Average hourly velocity, 7.9 Extreme velocity, 14
Maximum velocity, 14 Direction, S
Time began, 11:50 A
Reduced barometer, 29.90 7 a. m. 29.84 7 p. m.
River gage, +3.8 feet
Relative humidity, 61 7 a. m. 40 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 67.1 Wet temperature, 54.1
Dew-point, 43 R. humidity, 42 V. pressure, .277
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

THERMOGRAPH



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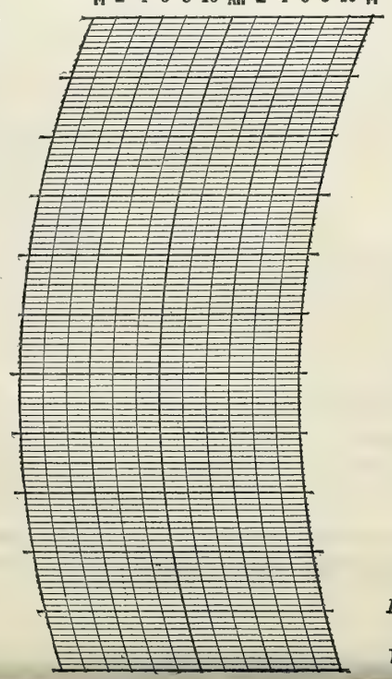
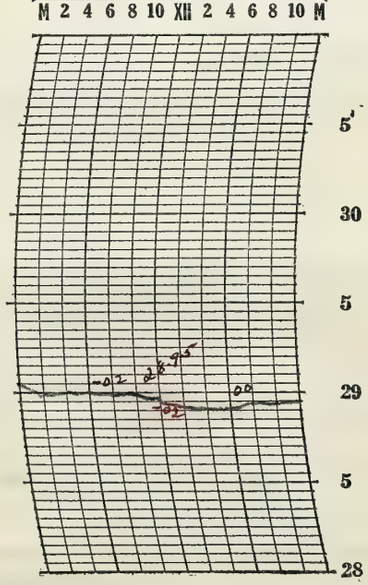


BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.H

8—486

NOTES

a Clear warm day
Flying conditions good

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) APR 9 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	58	57	57	56	54	53	55	58	62	65	68	71
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear		→			Pt Cldy	
Sunshine (in tenths of hours)						82 0	0.9 0.1	1.0	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	S	S	S	S	SW	SW	SW	S
Wind movement	6	7	9	7	8	9	10	12	12	12	11	13

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	74	76	77	76	74	71	68	66	64	63	60	56
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	→ Clear		→		Pt Cldy		→ Cloudy					→
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.3	0					
Wind direction	S	S	S	S	S	SW	SW	S	S	S	SW	NW
Wind movement	14	17	19	18	17	13	14	12	11	11	10	6

Sunrise: Time, 5:11 Character, Clear

Moonrise:

Sunset: Time, 6:14 Character, Cloudy

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

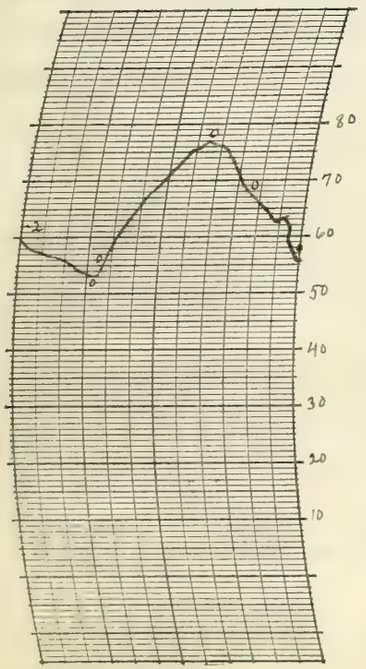
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
77	53	65	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 12.1 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 93
Prevailing wind direction, S Total wind, 278
Average hourly velocity, 11.6 Extreme velocity, 25
Maximum velocity, 24 Direction, S
Time began, 2:22 P
Reduced barometer, 29.907 a. m. 29.833 p. m
River gage, +3.1 feet
Relative humidity, 79 7 a. m. 53 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 70.8 Wet temperature,
Dew-point, 52 R. humidity, 51 V. pressure, 387
Clouds: Amount, 5; Kind, Cirst; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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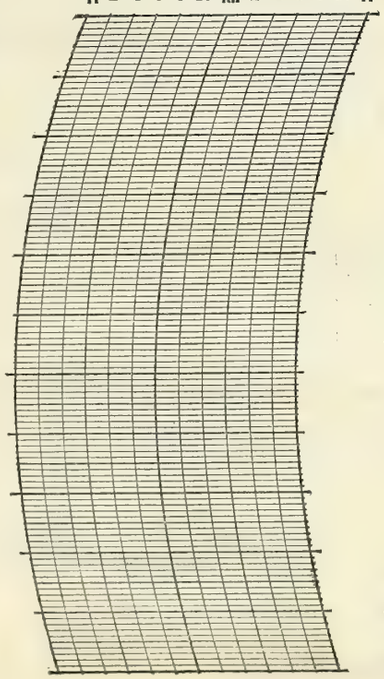
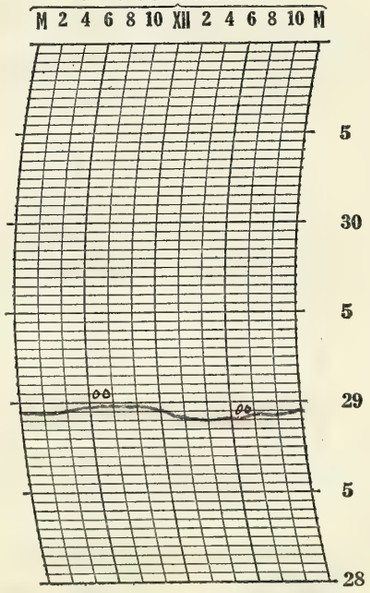


BAROGRAPH.



Prepared by L.C.S.

Verified by E.H.

8—486

NOTES

A Clear Warm day, becoming cloudy at night
7 flying conditions good

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) APR 10 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	55	54	49	47	47	46	45	45	45	46	49	52
Nature of precipitation and time of beginning and ending		R 1:00							RE 8:40			
Amounts of precipitation		0.3	0.6	0.15	0.8	0.12	0.2	0.5	0.3			
Cloudiness and other conditions						Cloudy						
Sunshine (in tenths of hours)						0	0	0	0	0	0.1	1.0
Wind direction	W	W	NW	NW	NW	NW	N	N	NW	NW	NW	W
Wind movement	3	7	10	9	7	13	11	7	4	5	8	7

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	54	56	59	60	61	60	57	56	55	53	52	50
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions		Pt Cloudy										
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.6 0.4	.25 0					
Wind direction	W	W	W	W	W	W	SW	W	W	W	W	W
Wind movement	8	9	10	13	12	9	9	10	14	10	7	7

Sunrise: Time, 5:09 Character, Cloudy
Moonrise:

Sunset: Time, 6:15 Character, Clear
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

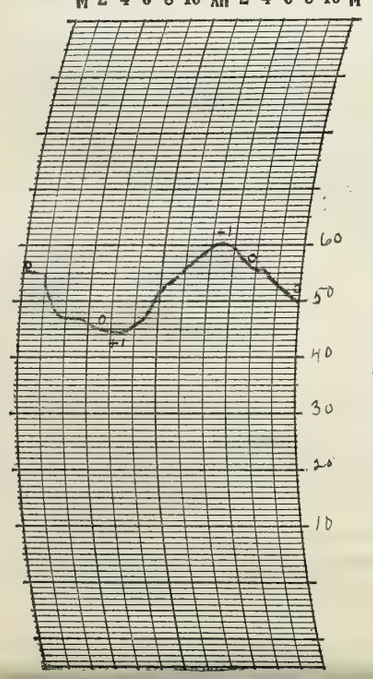
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
61	45	53	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.46 ins.; to 7 p. m., 0.8 ins.
Total precipitation, midnight to midnight, 0.54 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 7.4 Possible sunshine, hours, 13.1
Per cent of possible sunshine, 56
Prevailing wind direction, W Total wind, 209
Average hourly velocity, 8.7 Extreme velocity, 17
Maximum velocity, 17 Direction, W
Time began, 8:13 P
Reduced barometer, 29.95 7 a. m. 30.01 7 p. m.
River gage, + 3.0 Feet
Relative humidity, 96 7 a. m. 49 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 52.4 Wet temperature, 49.9
Dew-point, 47 R. humidity, 84 V. pressure, .322
Clouds: Amount, 3/3; Kind, ~~a cu~~ ci cu; Direction, ~~SW~~ SW
Velocity of clouds (miles per hour)

THERMOGRAPH



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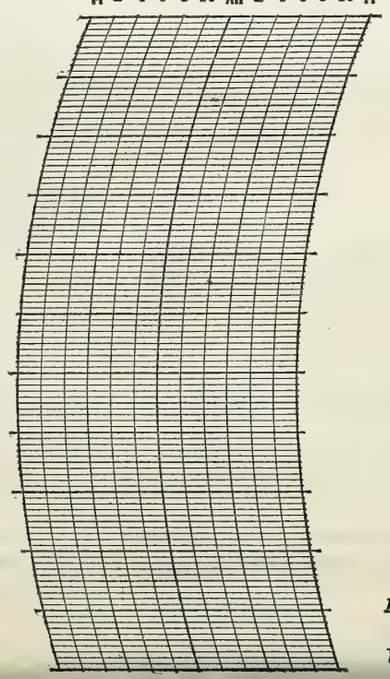
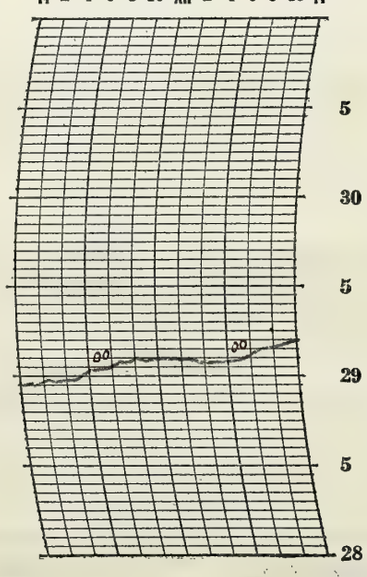


BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.H

NOTES

a part cloudy day.
7 flying conditions favorable
after 8:40 P.M.

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) APR 11 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P.M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	48	47	45	44	43	42	43	45	47	49	52	54	56	57	58	59	59	57	55	54	53	52	50	48
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←				Clear													→
Sunshine (in tenths of hours)						87 0	0.6 0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6 0.4	.27 0					
Wind direction	W	W	W	W	W	W	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	N	N	NE
Wind movement	6	7	6	6	5	5	6	9	8	10	10	10	10	10	8	8	7	7	3	2	1	3	3	4
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 5:08 Character, Clear

Moonrise:

Sunset: Time, 6:16 Character, Clear

Moonset:

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

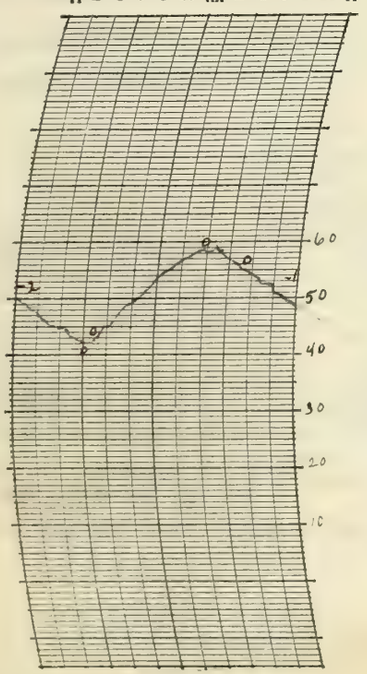
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
59	42	50	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 13.1 Possible sunshine, hours, 13.1
Per cent of possible sunshine, 100
Prevailing wind direction, NW Total wind, 154
Average hourly velocity, 6.4 Extreme velocity, 15
Maximum velocity, 14 Direction, NW
Time began, 12:15 P
Reduced barometer, 30.28 7 a. m. 30.35 7 p. m.
River gage, +3.0 Feet
Relative humidity, 70 7 a. m. 39 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 53.8 Wet temperature, 43.0
Dew-point, 30 R. humidity, 39 V. pressure, .164
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

THERMOGRAPH



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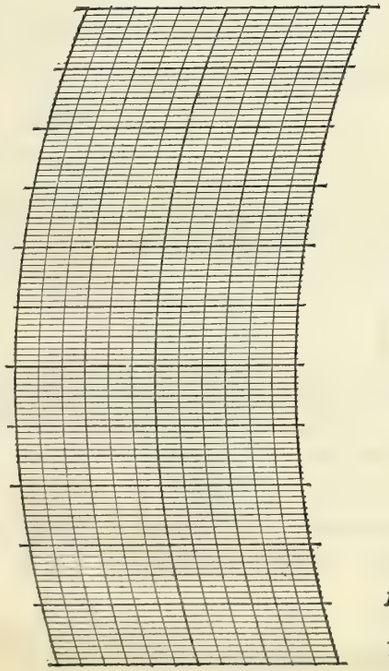
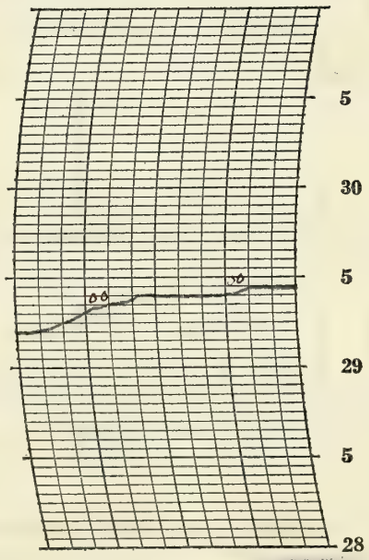


BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.H.

8—486

NOTES

a clear beautiful day
Suitable for flying.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) APR 12 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	48	47	46	44	43	42	48	52	56	62	66	71	73	74	75	75	74	72	69	66	64	61	60	59
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←					Clear													→
Sunshine (in tenths of hours)						90 0	0.5 0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6 0.4	.28 0					
Wind direction	NE	NE	E	E	E	SE	SE	SE	SE	S	S	S	SW	SW	SW	SW	SW	S	S	S	S	S	S	S
Wind movement	3	6	6	6	4	4	5	7	10	12	14	12	12	13	12	12	11	9	9	9	8	10	9	9
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 5:06 Character, Clear
Moonrise:

Sunset: Time, 6:17 Character, Clear
Moonset:

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

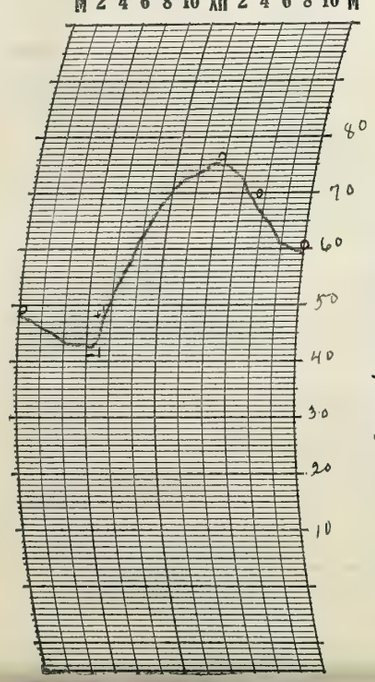
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
75	41	58	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 13.2 Possible sunshine, hours, 13.2
Per cent of possible sunshine, 100
Prevailing wind direction, S Total wind, 212
Average hourly velocity, 8.8 Extreme velocity, 16
Maximum velocity, 15 Direction, SW
Time began, 1:25 P
Reduced barometer, 30.41 7 a. m. 30.27 7 p. m.
River gage, +3.1 feet
Relative humidity, 67 7 a. m. 42 7 p. m.

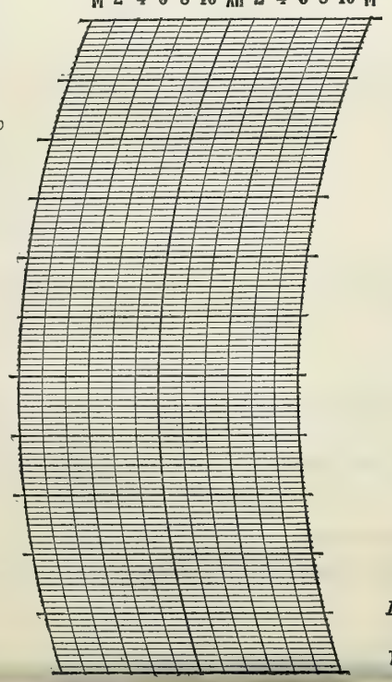
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 70.8 Wet temperature, 56.3
Dew-point, 45 R. humidity, 39 V. pressure, 29.8
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

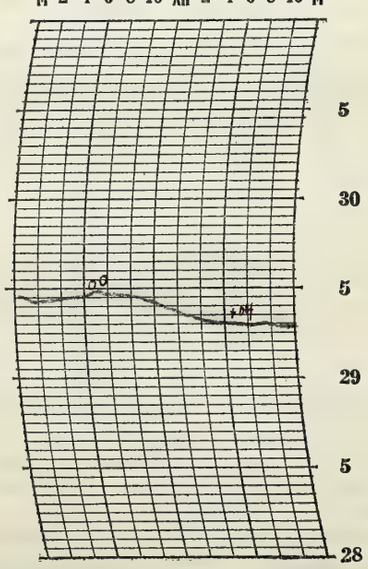
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S

Verified by E.L.H

8—486

NOTES

a Clear warm day
Suitable for flying

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) APR 18 1931, 193

Time (local standard) 90 mer. normal time.	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	57	56	55	54	54	53	54	55	58	69	72	74	76	77	78	79	77	74	71	68	66	64	63	60
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←						Clear									→			
Sunrise: Time, 5:05 Character, Clear																					Sunset: Time, 6:18 Character, Clear			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)						9.2 0	0.2 0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6 0.4	.30 0					
Wind direction	S	S	S	S	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	SW	SW	SW	SW
Wind movement	8	8	7	8	8	9	9	10	11	12	13	14	13	12	13	13	10	8	6	6	6	6	6	6
Maximum velocities (exceeding 31 miles) direction and time																								

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
79	53	66	

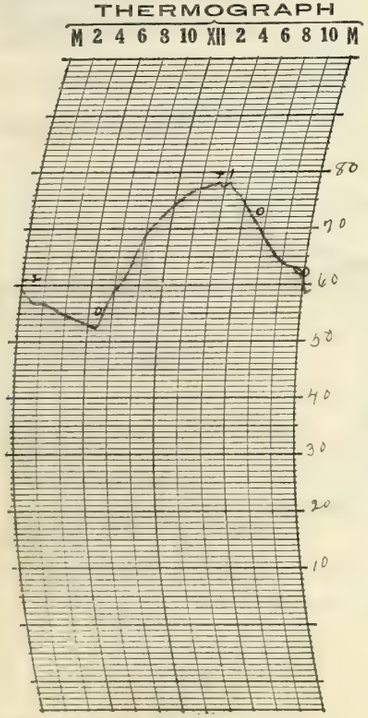
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 13.2 Possible sunshine, hours, 13.2
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind, 222
Average hourly velocity, 9.2 Extreme velocity, 18
Maximum velocity, 17 Direction, W
Time began, 11:18 A
Reduced barometer, 30.21 a. m. 30.13 p. m.
River gage, +3.1 feet
Relative humidity, 65 7 a. m. 38 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

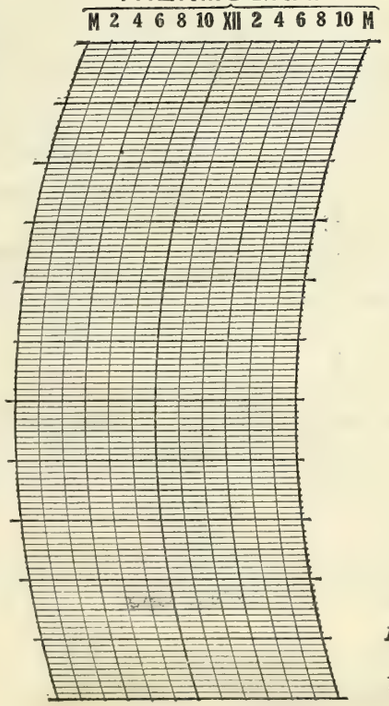
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 73.8 Wet temperature, 55.8
Dew-point, 41 R. humidity, 30 V. pressure, 256
Clouds: Amount, 2; Kind, Ci; Direction, W
Velocity of clouds (miles per hour)

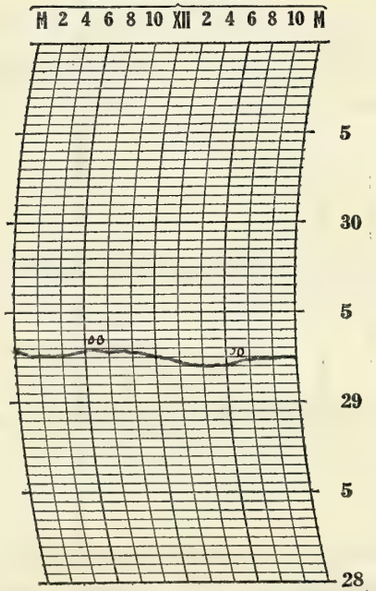
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by R.C.S.

Verified by E.J.H.

8—486

NOTES

a Clear warm day.
7 lying conditions good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) APR 14 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	60	57	50	47	46	46	47	52	57	61	64	67
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear						
Sunshine (in tenths of hours)						.95 0	0.3 0.7	1.0	1.0	1.0	1.0	1.0
Wind direction	SW	SW	NE	NE	NE	NE	NE	NE	E	NE	NE	NE
Wind movement	4	5	7	7	8	7	6	7	6	9	9	12
Maximum velocities (exceeding 24 miles) direction and time												

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	69	71	71	68	64	60	57	55	53	51	49	48
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					→ Cloudy							
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.8	0	0	0					
Wind direction	NE	NE	E	NE	NE	NE	NE	NE	E	NE	NE	E
Wind movement	12	12	13	11	10	10	8	10	9	8	6	8
Maximum velocities (exceeding 24 miles) direction and time												

Sunrise: Time, 5:03 Character, Clear
Moonrise:

Sunset: Time, 6:19 Character, Cloudy
Moonset:

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
71	46	58	

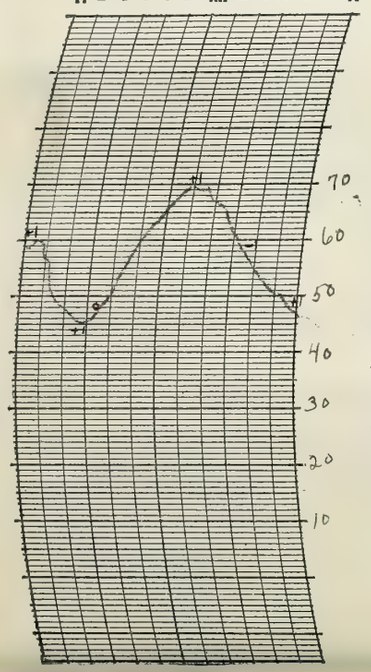
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 10.8 Possible sunshine, hours, 13.3
Per cent of possible sunshine, 81
Prevailing wind direction, NE Total wind, 204
Average hourly velocity, 8.5 Extreme velocity, 15
Maximum velocity, 15 Direction, NE
Time began, 1:25 P
Reduced barometer, 30.247 a. m. 30.237 p. m.
River gage, + 2.5 Feet
Relative humidity, 76 7 a. m. 34 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 66.8 Wet temperature, 53.8
Dew-point, 43 R. humidity, 42 V. pressure, .277
Clouds: Amount, 3; Kind, Ci Cu; Direction, E
Velocity of clouds (miles per hour)

THERMOGRAPH



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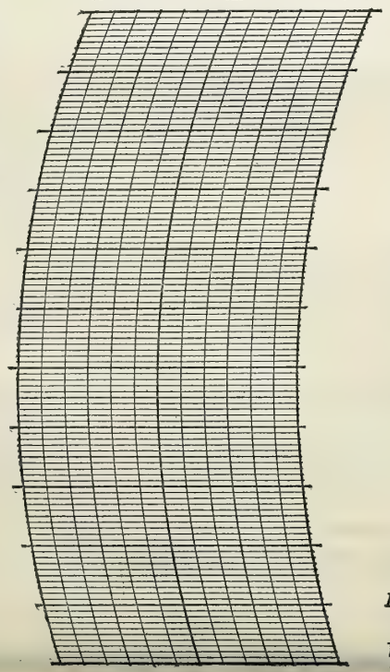
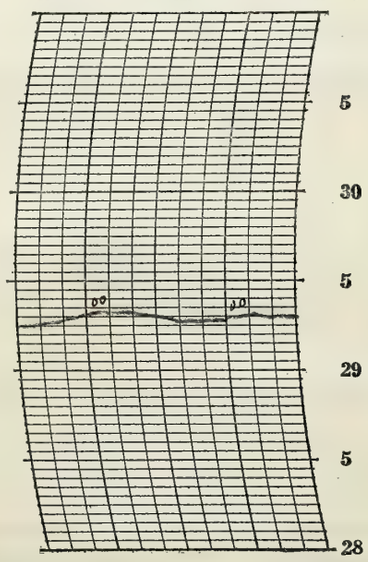


BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.H

3—436

NOTES

a fair cloudy day.
7 flying conditions good

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) APR 15 1931, 193

Time (local standard) 90 mer. normal time.	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	47	45	43	43	42	42	44	50	55	62	65	68	71	72	73	71	68	65	62	56	52	50	49	48
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Cloudy		x	Cldy	x		Clear												
Sunrise: Time, 5:02 Character, Cloudy																					Sunset: Time, 6:20 Character, Cloudy			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)						0	0	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	0					
Wind direction	E	NE	NE	NE	NE	NE	NE	E	NE	E	E	E	E	NE	E	NE	NE	E	E	E	E	E	E	NE
Wind movement	6	7	9	8	9	8	7	8	9	7	8	7	7	7	7	8	8	9	9	9	8	6	7	6
Maximum velocities (exceeding 24 miles) direction and time																								

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
73	42	58	

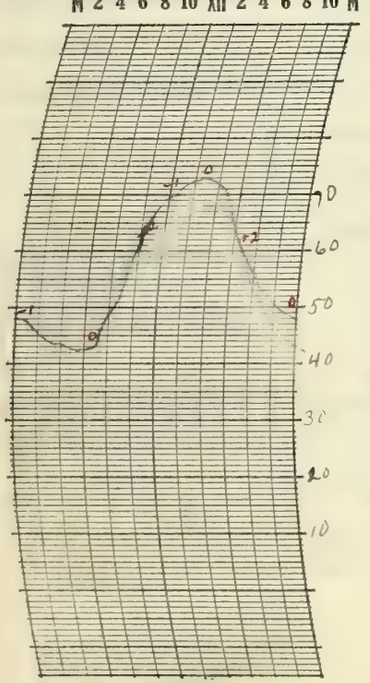
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 9.7 Possible sunshine, hours, 13.3
Per cent of possible sunshine, 73
Prevailing wind direction, E Total wind, 184
Average hourly velocity, 7.7 Extreme velocity, 11
Maximum velocity, 11 Direction, NE
Time began, 2:16 AM
Reduced barometer, 30.24 7a. m. 30.17 7p. m
River gage, +2.3 feet
Relative humidity, 72 7a. m. 31 7p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 67.6 Wet temperature, 50.6
Dew-point, 33 R. humidity, 28 V. pressure, .187
Clouds: Amount, 2; Kind, Ci; Direction, SE
Velocity of clouds (miles per hour)

THERMOGRAPH



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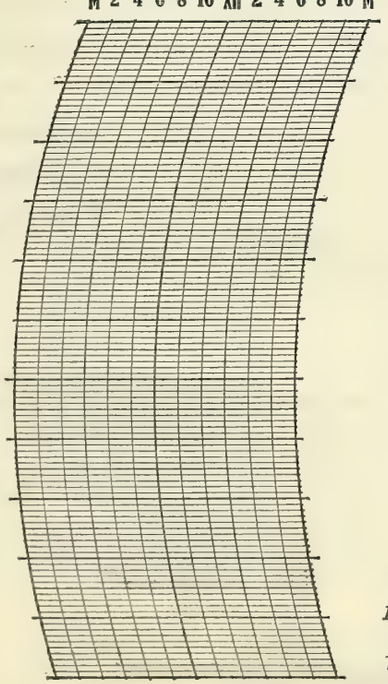
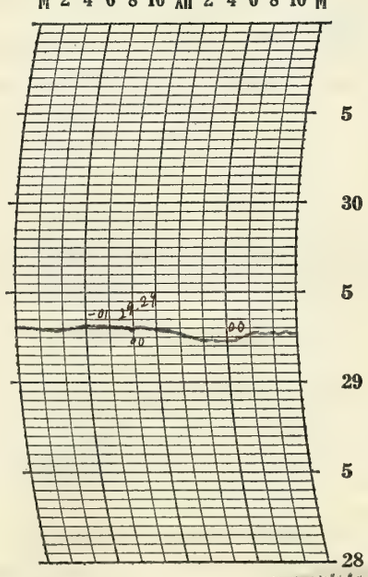


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

a Clear day. 7 lying Conditions good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) 1 6 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	47	46	44	44	43	45	45	54	59	65	70	73
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear			→		Pt Cldy	
Sunshine (in tenths of hours)						1.0 / 0	0.4 / 0.5	0.8	1.0	1.0	1.0	1.0
Wind direction	E	E	NE	NE	NE	NE	E	E	E	E	SE	SW
Wind movement	6	5	5	6	5	5	5	3	4	2	3	3

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	74	73	73	73	73	72	70	65	62	59	58	57
State of weather: Nature of precipitation and time of beginning and ending				R B 3:05 R E 3:10					R B 8:45			Rain
Amounts of precipitation				T					T	02	01	05
Cloudiness and other conditions			→ Cloudy			→	Pt Cldy		Cldy			→
Sunshine (in tenths of hours)	1.0	0.4	0	0.1	0	0	0					
Wind direction	N	N	NE	NE	NE	NE	NE	NW	NW	NW	NW	W
Wind movement	5	4	4	3	3	3	2	8	8	9	6	5

Maximum velocities (exceeding 24 miles) direction and time:

Sunrise: Time, 5:00 Character, Clear
Moonrise:
Sunset: Time, 6:21 Character, Cloudy
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

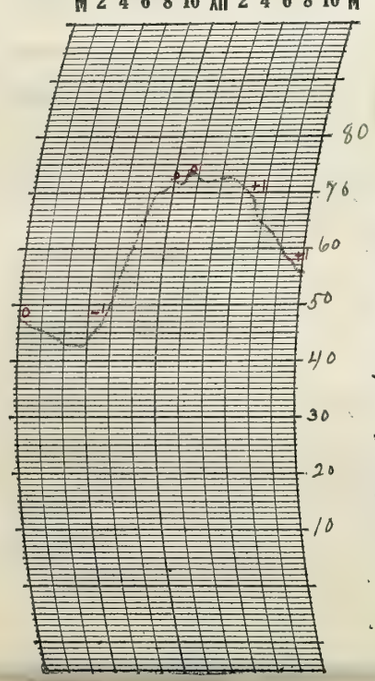
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
74	43	58	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 08 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 8.2 Possible sunshine, hours, 13.4
Per cent of possible sunshine, 61
Prevailing wind direction, NE Total wind, 112
Average hourly velocity, 4.7 Extreme velocity, 12
Maximum velocity, 12 Direction, NW
Time began, 9:11 P
Reduced barometer, 30.21 7 a. m. 30.10 7 p. m.
River gage, +2.1 feet
Relative humidity, 71 7 a. m. 40 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 73.3 Wet temperature, 55.3
Dew-point, 40 R. humidity, 29 V. pressure, 247
Clouds: Amount, 4; Kind, Cu; Direction, E
Velocity of clouds (miles per hour)

THERMOGRAPH



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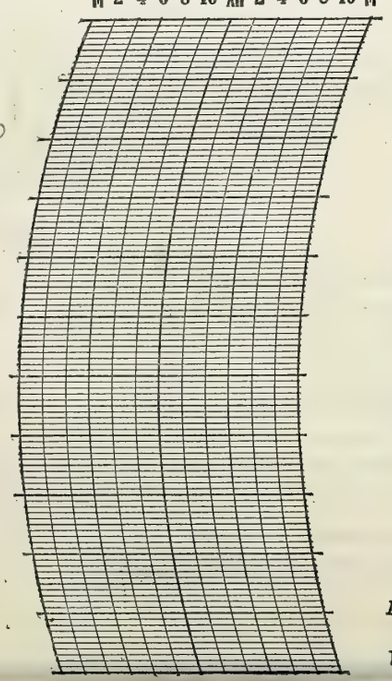
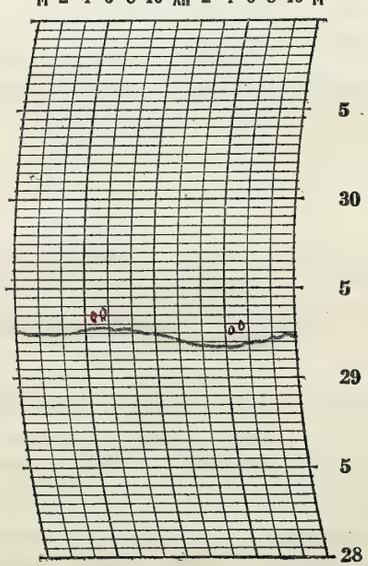


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

Clear in forenoon, becoming cloudy in afternoon. Rain at night. Flying conditions good during the day.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

APR 17 1931

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) _____, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	56	55	55	53	51	53	55	59	64	68	72
State of weather: Nature of precipitation and time of beginning and ending	Rain				RE DNA							
Amounts of precipitation	01	T	T	01	T							
Cloudiness and other conditions						← cloudy						
Sunshine (in tenths of hours)					0	0	0	0	0.8	1.0	1.0	1.0
Wind direction	W	W	W	W	NW	NW	NW	NW	NW	NW	W	W
Wind movement	2	3	4	5	8	9	5	6	5	9	9	11

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	73	74	74	72	68	64	60	56	54	52	50	50
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions		Clear →										
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.4 0.6	.38 0					
Wind direction	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	12	15	15	16	18	14	12	9	6	5	6	5

Sunrise: Time, 4:58 Character, Cloudy
Moonrise: _____ _____

Sunset: Time, 6:23 Character, Clear
Moonset: _____ _____

Maximum velocities (exceeding 34 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

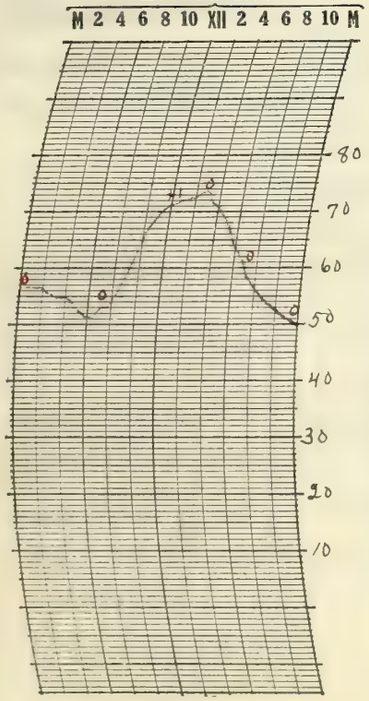
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
74	50	62	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to ~~8 a.~~ 7 a. m., 0.10 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0.2 inches.
Character of day, Clear Moon phase, _____
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 10.2 Possible sunshine, hours, 13.4
Per cent of possible sunshine, 76
Prevailing wind direction, NW Total wind, 209
Average hourly velocity, 8.7 Extreme velocity, 20
Maximum velocity, 20 Direction, NW
Time began, 4:29 P
Reduced barometer, 30.14 7a. m. 30.13 7p. m
River gage, +1.6 feet
Relative humidity, 94 7a. m. 31 7p. m.

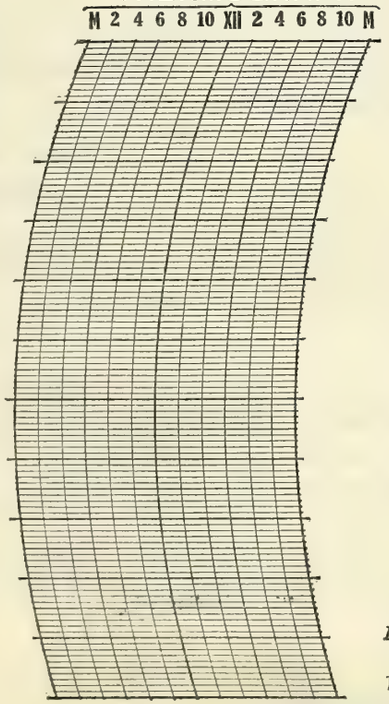
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 71.6 Wet temperature, 53.1
Dew-point, 35 R. humidity, 27 V. pressure, .203
Clouds: Amount, 3; Kind, Ci; Direction, W
Velocity of clouds (miles per hour)

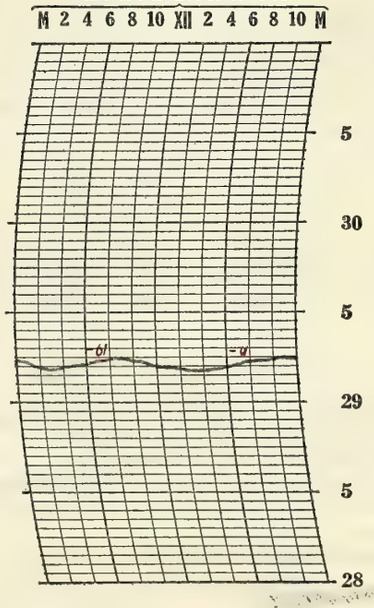
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.H

8—486

NOTES

a clear day. 7 lying conditions good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

APR 18 1931

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) ....., 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	49	48	47	46	46	46	48	55	60	62	64	66	67	69	69	70	69	68	66	62	59	55	52	51
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←					Clear										→			
Sunrise: Time, 4:57 Character, Clear																					Sunset: Time, 6:23 Character, Clear			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)					.05 0	1.0 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4 0.6	.38 0					
Wind direction	N	N	NE	NE	E	NE	E	E	E	E	E	E	E	E	SE	SE	E	SE	E	E	E	E	E	E
Wind movement	7	7	6	5	4	4	6	7	9	8	6	5	7	8	7	7	7	8	5	6	9	9	7	6
Maximum velocities (exceeding 24 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

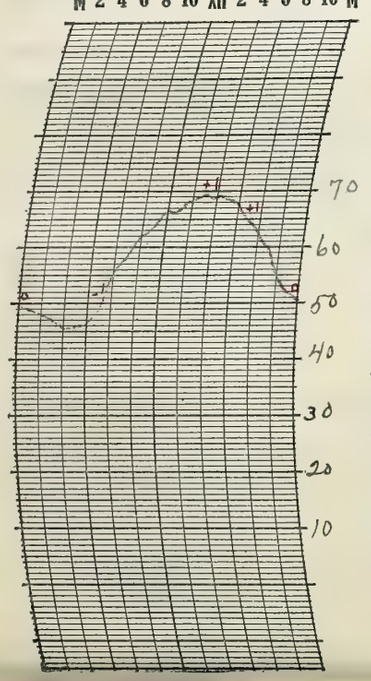
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
70	46	58	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ...
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 13.4 Possible sunshine, hours, 13.4
Per cent of possible sunshine, 100
Prevailing wind direction, E Total wind, 160
Average hourly velocity, 6.7 Extreme velocity, 10
Maximum velocity, 10 Direction, E
Time began, 9:18 P
Reduced barometer, 30.21 7 a. m. 30.07 7 p. m.
River gage, +1.7 feet
Relative humidity, 73 7 a. m. 31 7 p. m.

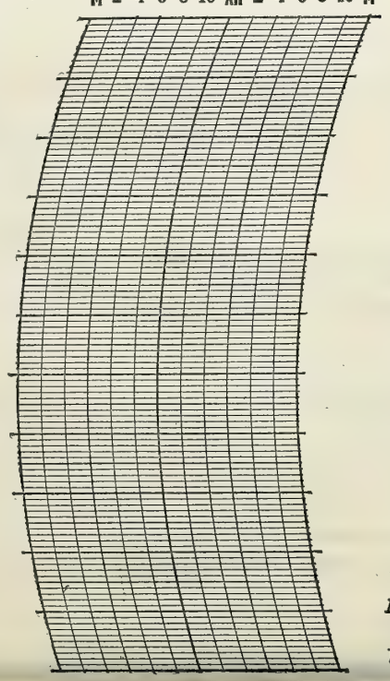
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 66.0 Wet temperature, 52.0
Dew-point, 39 R. humidity, 37 V. pressure, .237
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

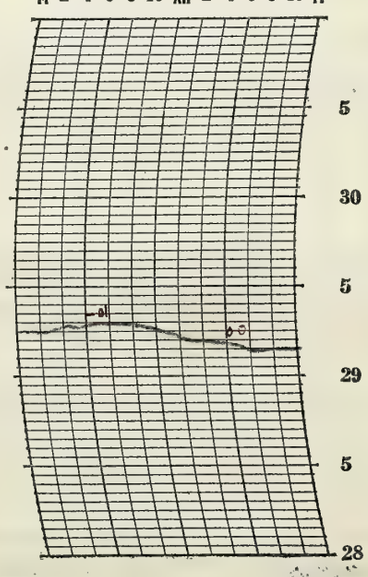
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S

Verified by E. L. H

8—486

NOTES

a Clear day. 7 lying conditions good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) APR 16 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	49	47	47	46	45	46	51	59	66	71	74	75	76	77	77	77	77	74	73	70	68	66	66	64
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Clear X Pt Cldy →																		
Sunshine (in tenths of hours)					.07 0	1.0 0	0.1 0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.7	0.1	0					
Wind direction	E	E	E	E	E	E	SE	SE	S	SE	SE	SE	S	S	S	S	S	S	S	S	S	SE	SE	SE
Wind movement	5	4	5	4	3	3	2	3	7	9	9	10	10	11	9	11	9	7	5	7	7	9	8	8
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4:56 Character, Clear
Moonrise:
Sunset: Time, 6:24 Character, Cloudy
Moonset:

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

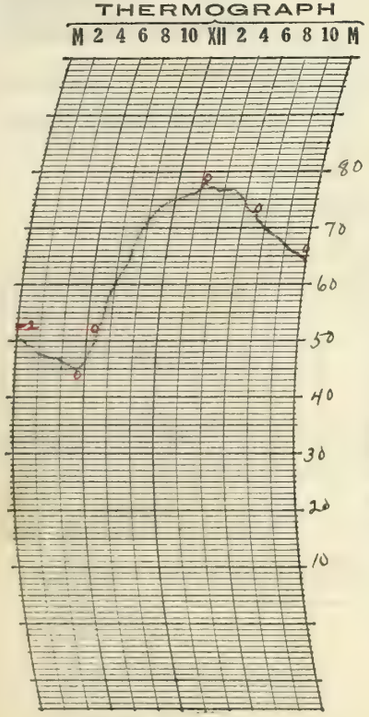
Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
78	45	62	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 11.7 Possible sunshine, hours, 13.5
Per cent of possible sunshine, 87
Prevailing wind direction, S Total wind, 166
Average hourly velocity, 6.9 Extreme velocity, 14
Maximum velocity, 14 Direction, S
Time began, 1:14 P
Reduced barometer, 30.08 7a. m. 29.97 7p. m.
River gage, +1.5 feet
Relative humidity, 63 7a. m. 39 7p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 75.0 Wet temperature, 55.0
Dew-point, 37 R. humidity, 25 V. pressure, .27
Clouds: Amount, 6; Kind, Ci St; Direction, E
Velocity of clouds (miles per hour)

THERMOGRAPH



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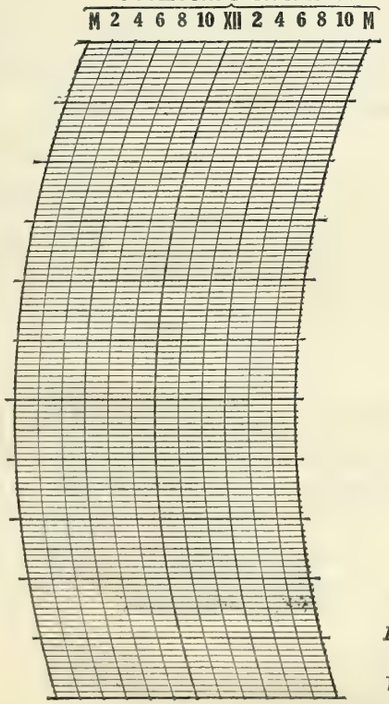
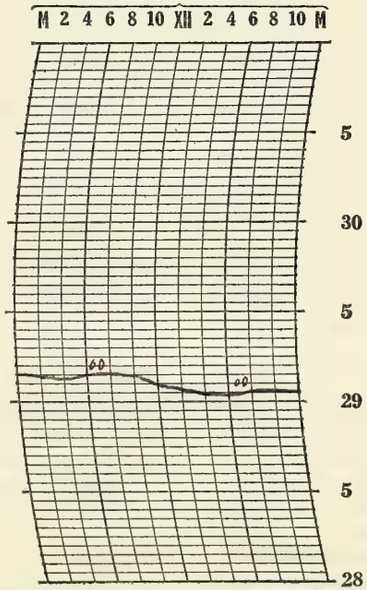


BAROGRAPH.



Prepared by L.C.S.
Verified by E.L.H.

8—486

NOTES

a part cloudy day. Flying conditions good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) APR 20 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	62	60	60	59	59	61	62	66	68	67	68	70
				RB DNA	RE DNA							
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation				0.3	T							
Cloudiness and other conditions						←	Cloudy	→			Pt Cloudy	
Sunrise: Time, 4:54 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)					6	0	0	0.6	0.6	0.7	0.7	1.0
Wind direction	S	SW	SW	E	S	S	S	S	SW	SW	S	S
Wind movement	7	6	4	6	8	9	7	9	11	12	14	15
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	73	74	71	69	68	67	66	65	61	61	62
							RB 6.15					Rend
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation							T	T	T	T	T	T
Cloudiness and other conditions	Pt Cloudy							Cloudy				
Sunset: Time, 6:26 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.2	0	0.3	0					
Wind direction	S	S	S	S	S	S	S	SE	SE	SE	SE	SE
Wind movement	15	17	19	18	11	14	9	9	14	14	15	14
Maximum velocities (exceeding 24 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

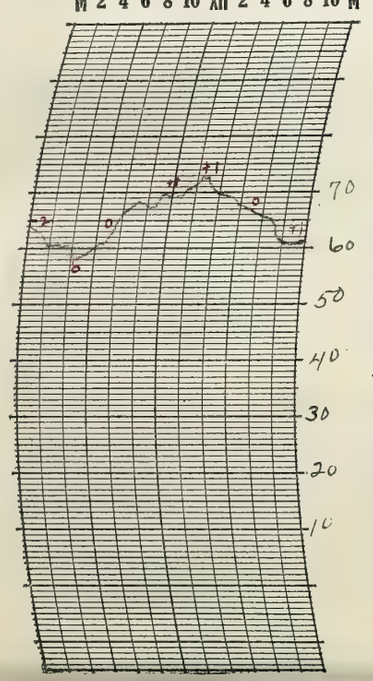
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
74	58	66	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.3 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 0.3 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 7.1 Possible sunshine, hours, 13.5
Per cent of possible sunshine, 53
Prevailing wind direction, S Total wind, 277
Average hourly velocity, 11.5 Extreme velocity, 23
Maximum velocity, 23 Direction, S
Time began, 2:07 P
Reduced barometer, 30.00 7a. m. 29.98 7p. m.
River gage, +1.3 Feet
Relative humidity, 75 7a. m. 71 7p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 69.8 Wet temperature, 61.8
Dew-point, 57 R. humidity, 64 V. pressure, .465
Clouds: Amount, 5; Kind, a cu; Direction, S
Velocity of clouds (miles per hour)

THERMOGRAPH



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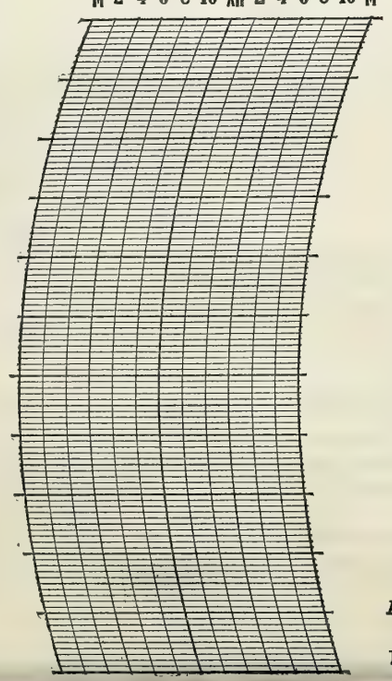
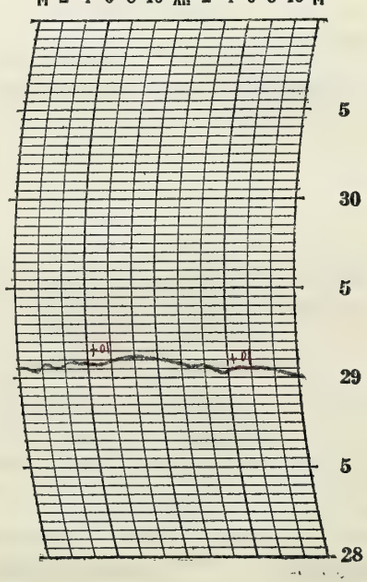


BAROGRAPH.



Prepared by L. C. S.

Verified by E. P. H

NOTES

A part cloudy day. Suitable for flying during the day.

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

APR 21 1931

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) _____, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	62	61	60	60	60	61	62	60	59	49	46	46
					RE DNH			RB 7:05				RE 11:55
State of weather: Nature of precipitation and time of beginning and ending	drizzle											
Amounts of precipitation	T	04	T	T	01			0.10	0.45	0.05	0.06	01
Cloudiness and other conditions												
Sunrise: Time, 4:53 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0
Wind direction	SE	SE	SE	SE	S	S	S	S	S	W	W	W
Wind movement	11	15	13	13	12	14	16	14	13	15	12	11
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	47	47	47	47	47	47	47	47	47	47	46	45
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy											
Sunset: Time, 6:27 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0	0	0	0	0	0	0					
Wind direction	W	W	W	W	W	SW	SW	SW	SW	SW	W	W
Wind movement	11	11	11	9	7	5	5	5	6	7	11	8
Maximum velocities (exceeding 24 miles) direction and time												

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
62	45	54	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.5 ins.; to 7 p. m., 0.67 ins.
Total precipitation, midnight to midnight, 0.72 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 13.6
Per cent of possible sunshine, 0
Prevailing wind direction, W Total wind, 255
Average hourly velocity, 10.6 Extreme velocity, 20
Maximum velocity, 18 Direction, S
Time began, 7:33 A
Reduced barometer, 29.82 7 a. m. 29.98 7 p. m
River gage, +1.1 feet
Relative humidity, 80 7 a. m. 84 7 p. m.

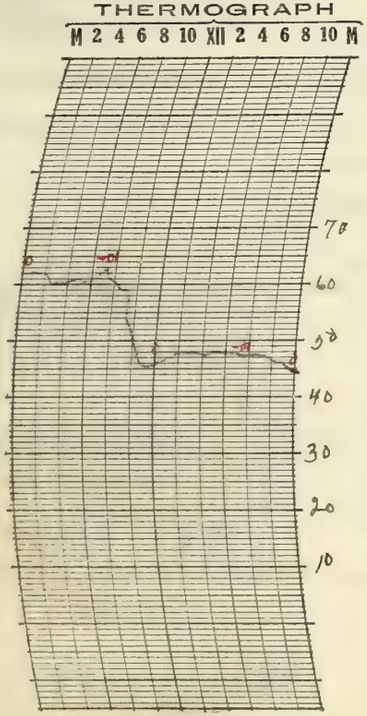
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

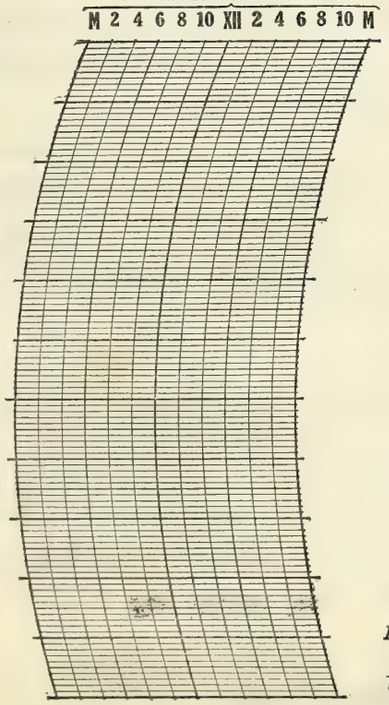
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 45.8 Wet temperature, 43.8
Dew-point, 42 R. humidity, 86 V. pressure, .266
Clouds: Amount, 10; Kind, Stcu; Direction, SE
Velocity of clouds (miles per hour) _____

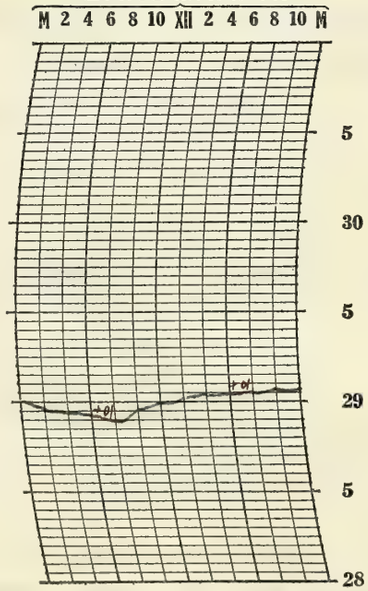
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.
Verified by C. F. H.

8—486

NOTES

A cloudy day. 7 lying conditions fair.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) APR 22 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	44	41	39	39	39	39	38	39	40	39	40	41
State of weather: Nature of precipitation and time of beginning and ending	RB 10 NA			RE DNA						R	RB 10:10	RE 11:15 SMB 11:15 6 ME 11:30 RB 11:30
Amounts of precipitation	01	03	01	01							T	T
Cloudiness and other conditions						Cloudy						
Sunrise: Time, Character,	4:51 Cloudy											
Moonrise:												
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0
Wind direction	W	W	NW	W	W	W	W	W	W	W	W	W
Wind movement	8	10	8	6	8	8	9	11	10	13	13	15
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	40	41	42	40	38	36	35	35	36	35	35	35
State of weather: Nature of precipitation and time of beginning and ending	RE 12:25	SMB 1:30 6 ME 1:35										
Amounts of precipitation	T	T										
Cloudiness and other conditions												
Sunset: Time, Character,									6:26 Cloudy			
Moonset:												
Sunshine (in tenths of hours)	0	0	0.3	0.2	0	0	0					
Wind direction	NW	NW	W	W	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	20	20	24	21	19	18	19	15	15	13	12	11
Maximum velocities (exceeding 24 miles) direction and time			W-27 2:27									

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
45	35	40	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 06 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 06 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.5 Possible sunshine, hours, 13.6
Per cent of possible sunshine, 4
Prevailing wind direction, W Total wind, 326
Average hourly velocity, 13.6 Extreme velocity, 29
Maximum velocity, 27 Direction, W
Time began, 2:27 P
Reduced barometer, 30.03 7 a. m. 30.24 7 p. m.
River gage, +1.3 Feet
Relative humidity, 85 7 a. m. 68 7 p. m.

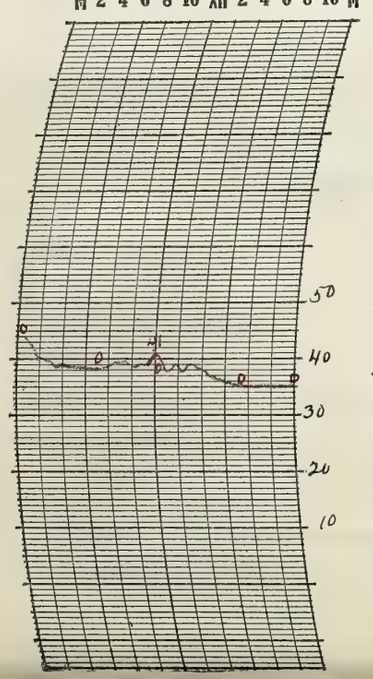
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

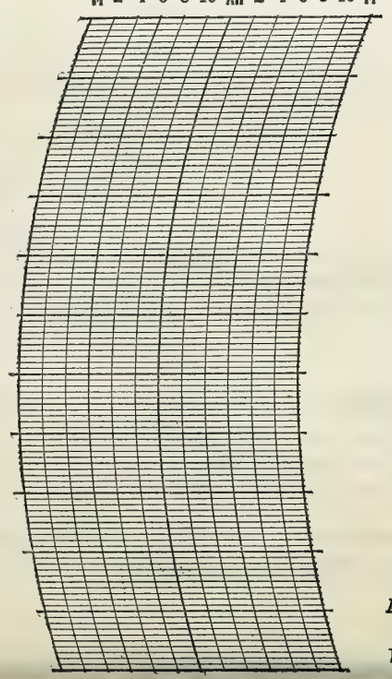
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 40.8 Wet temperature, 36.8
Dew-point, 32 R. humidity, 69 V. pressure, 180
Clouds: Amount, 10; Kind, Stcu; Direction, NW
Velocity of clouds (miles per hour)

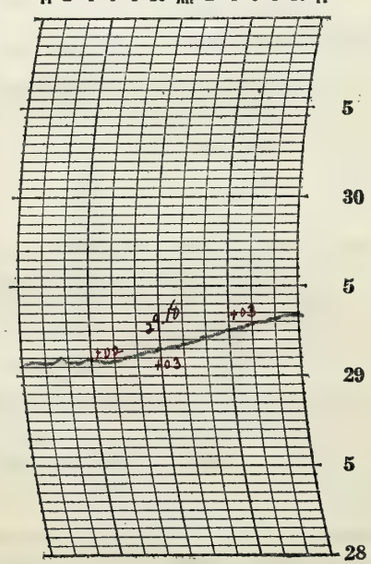
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H

NOTES

Frost warning received and published on morning bulletin in newspapers and phoned to the special list at 9:00 A.M.

a Cloudy day. Flying conditions fair.

S—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) APR 23 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	34	33	33	33	32	34	35	36	38	40	43	44	45	45	46	45	44	44	43	43	43	42	42
																							R 10:55	Rentd
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																							T	T
Cloudiness and other conditions						←	Clear	—	X	—	Pt Cldy	→					X	—	Cloudy	→				
Sunshine (in tenths of hours)					0	0	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0.2	0	0	0					
Wind direction	NW	NW	NW	W	W	W	NW	NW	NW	NW	NW	W	NW	W	NW	NW	NW	NW	NW	NW	NW	NW	SW	SW
Wind movement	9	8	7	7	8	6	10	13	11	10	10	10	10	12	11	10	8	5	4	3	2	2	5	3
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4:56 Character, Cloudy
Moonrise:
Sunset: Time, 6:29 Character, Cloudy
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

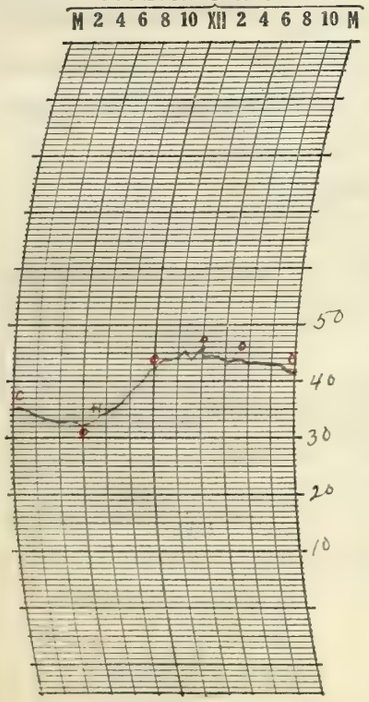
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
46	32	39	

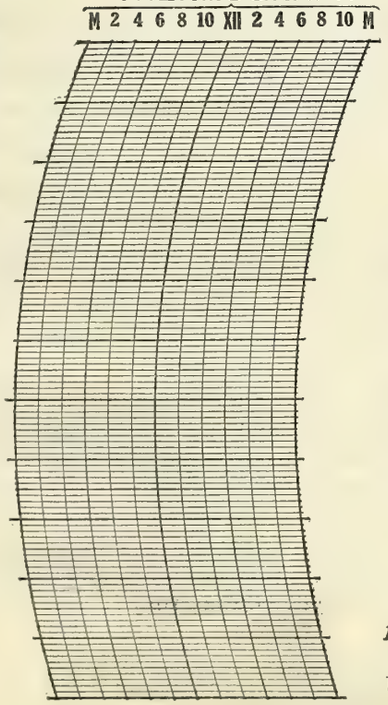
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt cldy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 8.4 Possible sunshine, hours, 13.6
Per cent of possible sunshine, 62
Prevailing wind direction, NW Total wind, 184
Average hourly velocity, 7.7 Extreme velocity, 17
Maximum velocity, 16 Direction, NW
Time began, 6:50 A.
Reduced barometer, 30.34 7 a. m. 30.22 7 p. m.
River gage, +1.4 feet
Relative humidity, 65 7 a. m. 51 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)
Dry temperature, 43.1 Wet temperature, 35.5
Dew-point, 24 R. humidity, 46 V. pressure, .124
Clouds: Amount, 3; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

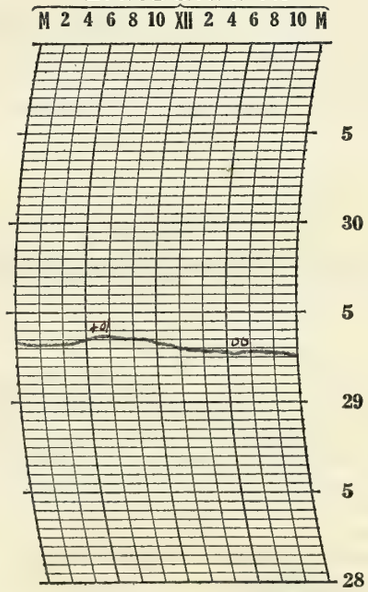
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. H.

8—486

NOTES

A fast cloudy day. Flying conditions good.
Frost warning received and published on morning bulletin in newspapers and phoned to special list at 9:00 A.M.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) APR 24 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	46	38	38	38	38	39	39	40	42	44	45	46
State of weather: Nature of precipitation and time of beginning and ending		RE 2:N.A									RB 10:40	
Amounts of precipitation	T	01									T	T
Cloudiness and other conditions												
Sunshine (in tenths of hours)					0	0	0	0.1	0.6	0.1	0	0
Wind direction	W	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	6	3	3	2	3	2	2	4	5	6	7	6

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	45	46	46	46	45	44	44	44	44	43	43	42
State of weather: Nature of precipitation and time of beginning and ending				RE 3:45			RB 6:10					Rent'd
Amounts of precipitation	T	T	T	T			T	02	01	T	01	T
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)	02	03	0	0	0	0	0					
Wind direction	SW	W	NW	W	NW	NW	NW	NW	NW	NW	NW	NE
Wind movement	6	8	7	7	8	7	3	1	1	1	3	3

Sunrise: Time, 4:44 Character, Cloudy
Moonrise:
Sunset: Time, 6:30 Character, Cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

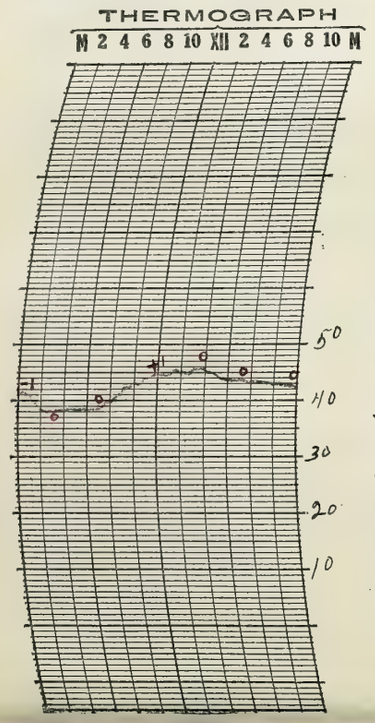
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
46	38	42	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 01 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .05 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 1.3 Possible sunshine, hours, 13.7
Per cent of possible sunshine, 9
Prevailing wind direction, SW Total wind, 104
Average hourly velocity, 4.3 Extreme velocity, 10
Maximum velocity, 10 Direction, NW
Time began, 2:23 P
Reduced barometer, 30.15 7 a. m. 30.06 7 p. m.
River gage, +1.2 feet
Relative humidity, 88 7 a. m. 89 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 46.1 Wet temperature, 40.6
Dew-point, 34 R. humidity, 62 V. pressure, .195
Clouds: Amount, 8; Kind, Stcu; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH



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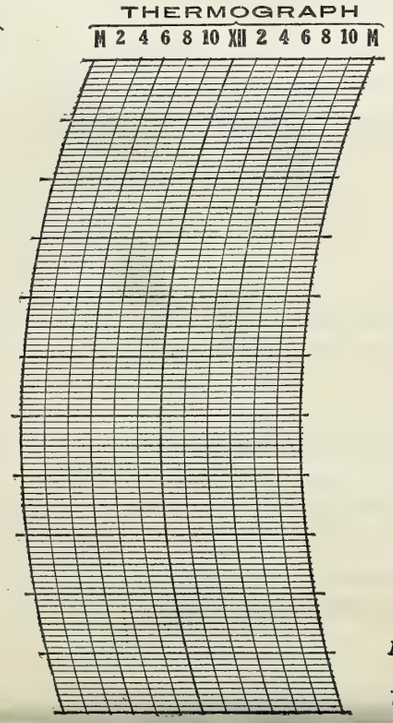
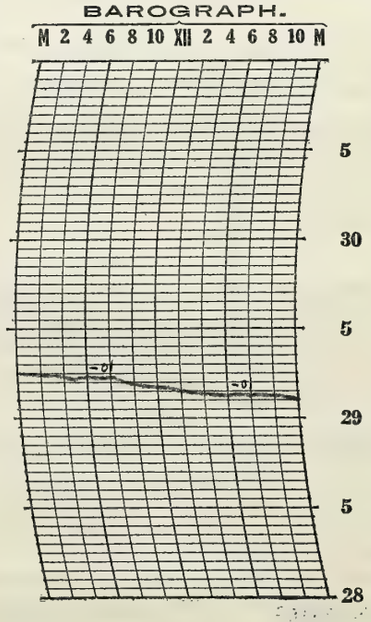


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

NOTES

a cloudy day 7 flying conditions fair

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) APR 25 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	42	42	42	42	42	43	44	43	44	45	46	47
State of weather: Nature of precipitation and time of beginning and ending	Rain											
Amounts of precipitation	01	02	01	01	T	01	02	T	T	T	T	T
Cloudiness and other conditions												
Sunrise: Time, 4:47 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0
Wind direction	NE	NE	NE	NE	NE	E	E	SE	S	S	S	S
Wind movement	3	4	3	4	2	4	3	3	5	5	5	7
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	48	49	49	49	47	47	47	47	46	45	44	44
State of weather: Nature of precipitation and time of beginning and ending												Rain
Amounts of precipitation	T	T	01	01	03	07	07	07	06	03	01	01
Cloudiness and other conditions		Cloudy										
Sunset: Time, 6:31 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0	0	0	0	0	0	0					
Wind direction	SW	S	S	S	S	S	S	S	N	N	N	N
Wind movement	6	6	7	5	3	2	1	3	4	6	6	7
Maximum velocities (exceeding 24 miles) direction and time												

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
49	42	46	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.12 ins.; to 7 p. m., 0.17 ins.
Total precipitation, midnight to midnight, 0.45 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 13.7
Per cent of possible sunshine, 0
Prevailing wind direction, S Total wind, 104
Average hourly velocity, 4.3 Extreme velocity, 8
Maximum velocity, 8 Direction, S
Time began, 2:03 P
Reduced barometer, 29.98 7a. m. 29.80 7p. m
River gage, + 1.2 feet
Relative humidity, 96 7a. m. 96 7p. m.

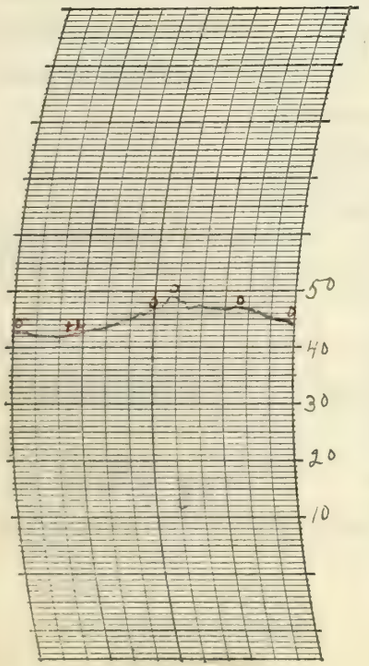
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 46.8 Wet temperature, 44.8
Dew-point, 43 R. humidity, 86 V. pressure, .277
Clouds: Amount, 10; Kind, St cu; Direction, S.W.
Velocity of clouds (miles per hour)

THERMOGRAPH



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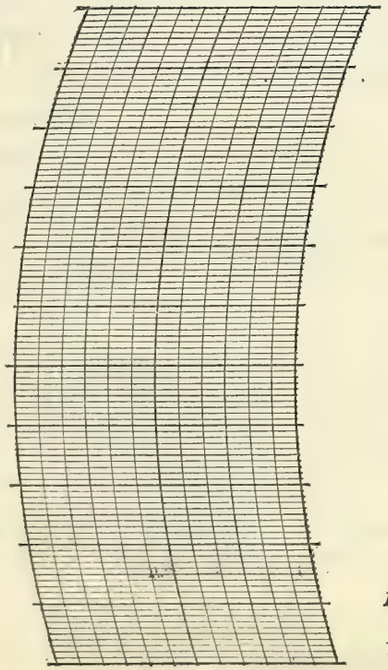
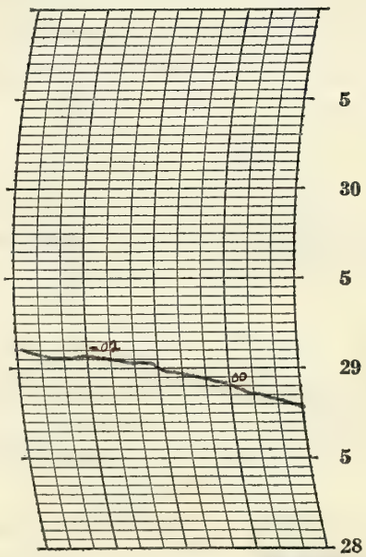


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

A Cloudy rainy day.
7 flying conditions good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

APR 26 1931

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) ....., 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	43	42	42	40	39	39	40	34	36	40	42
State of weather: Nature of precipitation and time of beginning and ending	Rn tl				RE DNA				SMB 8:45 SME 9:00		SMB 10:05 SME 10:15	
Amounts of precipitation	02	T	T	T	02				.01		.01	
Cloudiness and other conditions											Cloudy	
Sunrise: Time, 4:45 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)					0	0	0	0.4	0.2	0.5	0.6	0.8
Wind direction	NW	NW	NW	NW	NW	NW	W	W	W	W	W	SW
Wind movement	7	9	12	12	15	9	14	19	21	21	26	27
Maximum velocities (exceeding 24 miles) direction and time									28 NW 8:47	28 W 9:42	30 NW 10:55	34 NW 11:40

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	41	40	42	43	40	39	38	37	35	35	35	35
State of weather: Nature of precipitation and time of beginning and ending		SMB 1:10P SME 1:25										
Amounts of precipitation		T										
Cloudiness and other conditions						Pt Cldy	Clear					
Sunset: Time, 6:32 Character, Clear												
Moonset:												
Sunshine (in tenths of hours)	05	07	07	06	03	0.7 01	5.3 0					
Wind direction	NW	NW	W	W	W	W	W	W	W	W	W	SW
Wind movement	26	28	25	24	23	19	16	10	9	6	6	7
Maximum velocities (exceeding 24 miles) direction and time	32 NW 12:20	32 NW 1:34	26 W 2:37	26 W 3:50	26 W 4:22							

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
44	34	39	

Total depth of snow for 24 hours ending 7 p. m., 0.2 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0.2 inches.
Precipitation to 7 a. m., 0.24 ins.; to 7 p. m., 02 ins.
Total precipitation, midnight to midnight, 0.6 inches.
Character of day, Cloudy Moon phase, ...
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 6.6 Possible sunshine, hours, 13.8
Per cent of possible sunshine, 48
Prevailing wind direction, W Total wind, 391
Average hourly velocity, 16.3 Extreme velocity, 39
Maximum velocity, 34 Direction, NW
Time began, 11:42 A
Reduced barometer, 29.69 a. m. 30.02 p. m.
River gage, +1.5 feet
Relative humidity, 84 a. m. 59 p. m.

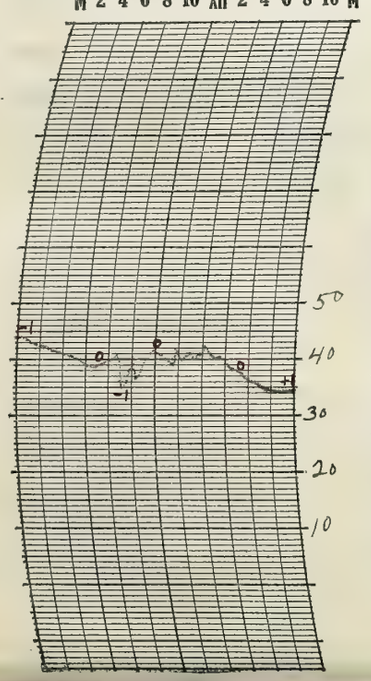
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

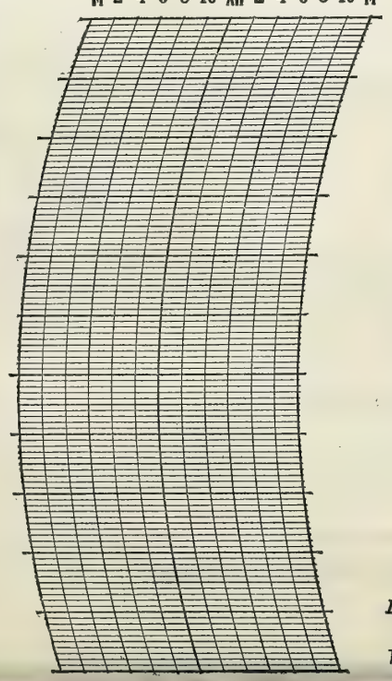
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 41.5 Wet temperature, 36.5
Dew-point, 30 R. humidity, 62 V. pressure, .164
Clouds: Amount, 9; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour) .....

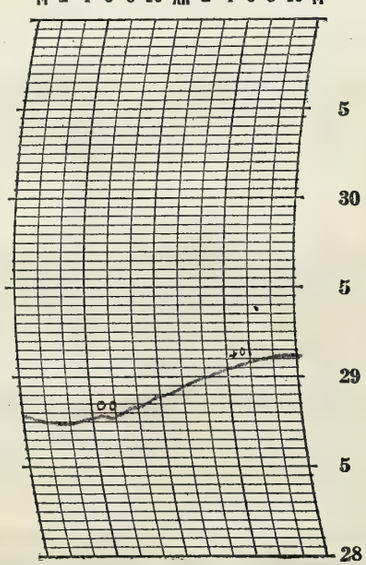
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

NOTES

7 not warning received six morning forecast message, warning passed to special frost list and given to W. O. W.

a Cloudy and windy day.

7 flying conditions poor.

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) APR 27 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	36	36	35	35	34	35	35	35	36	36	36	36	37	37	37	38	38	38	36	35	34	34	34
State of weather: Nature of precipitation and time of beginning and ending												SNO 11:40 SME 11:55												
Amounts of precipitation												T												
Cloudiness and other conditions						←						Cloudy							Clear					→
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Wind direction	SW	W	W	W	NW	W	W	W	NW	W	W	W	W	W	W	W	W	W	SW	SW	SW	SW	S	S
Wind movement	7	8	7	9	8	7	8	8	11	10	11	11	12	13	13	15	14	10	7	6	6	6	7	7
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4.44 Character, Cloudy
Moonrise:
Sunset: Time, 6.33 Character, Cloudy
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

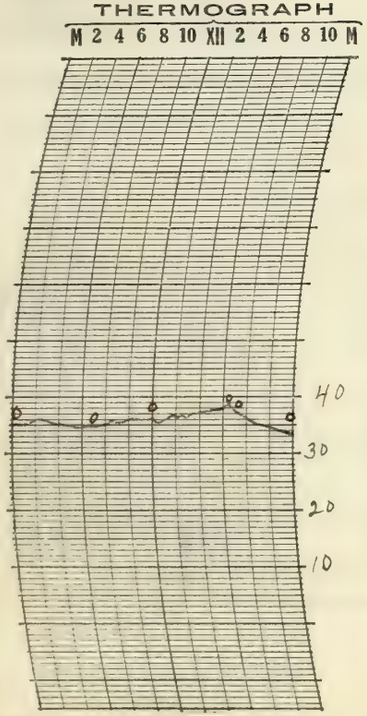
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
39	34	36	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0 Possible sunshine, hours, 13.8
Per cent of possible sunshine, 0
Prevailing wind direction, W Total wind, 221
Average hourly velocity, 9.2 Extreme velocity, 19
Maximum velocity, 19 Direction, W
Time began, 3:45 P
Reduced barometer, 30.10 7 a. m. 30.12 7 p. m.
River gage, +2.1 feet
Relative humidity, 74 7 a. m. 63 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 36.0 Wet temperature, 32.8
Dew-point, 28 R. humidity, 71 V. pressure, .150
Clouds: Amount, 10; Kind, St Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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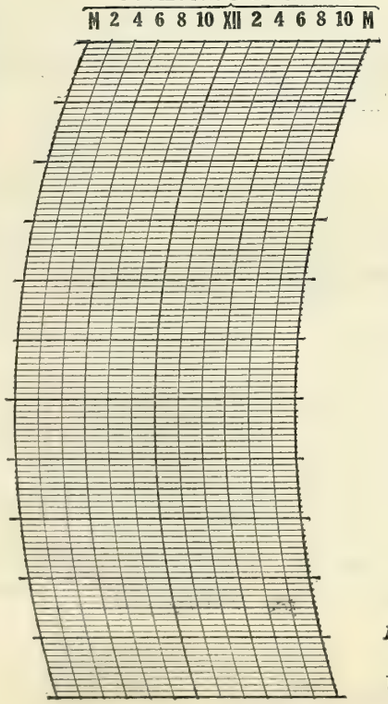
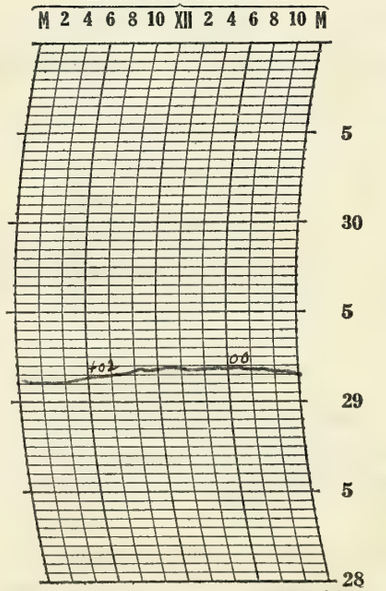


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

No frost occurred at station this AM however, ice formed on still water in many sections of the country. 7 frost warnings were received and issued. The day was cold and cloudy with a few spots of snow in afternoon. Clear at night.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) APR 28 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	33	32	32	32	33	37	42	46	50	53	57	60	62	63	63	63	62	59	59	57	56	56	55
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions									Clear						Pt Cldy					Clear				
Sunshine (in tenths of hours)					.28 0	1.0 0	0.2 0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	6	9	7	7	7	8	8	10	13	17	19	18	21	21	21	18	17	15	13	15	15	14	14	12
Maximum velocities (exceeding 24 miles) direction and time													26 W 12:35	27 W 1:44	26 SW 2:27									

Sunrise: Time, 4:43 Character, Clear
Moonrise:
Sunset: Time, 6:34 Character, Cloudy
Moonset:

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

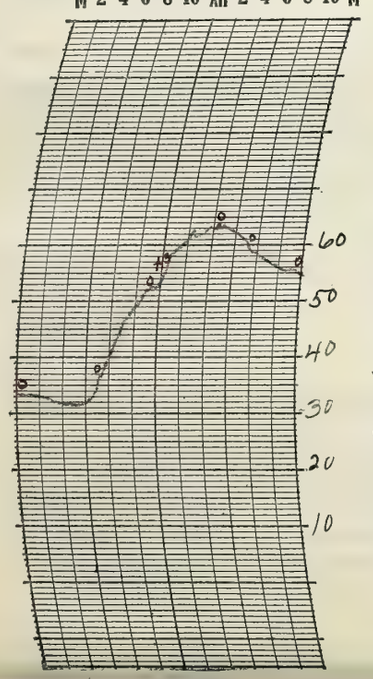
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
64	32	48	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 11.5 Possible sunshine, hours, 13.8
Per cent of possible sunshine, 83
Prevailing wind direction, SW Total wind, 325
Average hourly velocity, 13.5 Extreme velocity, 30
Maximum velocity, 27 Direction, W
Time began, 1:44 P
Reduced barometer, 30.01 7 a. m. 29.71 7 p. m.
River gage, + 2.1 feet
Relative humidity, 78 7 a. m. 43 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 57.1 Wet temperature, 45.0
Dew-point, 31 R. humidity, 36 V. pressure, .172
Clouds: Amount, 3; Kind, a Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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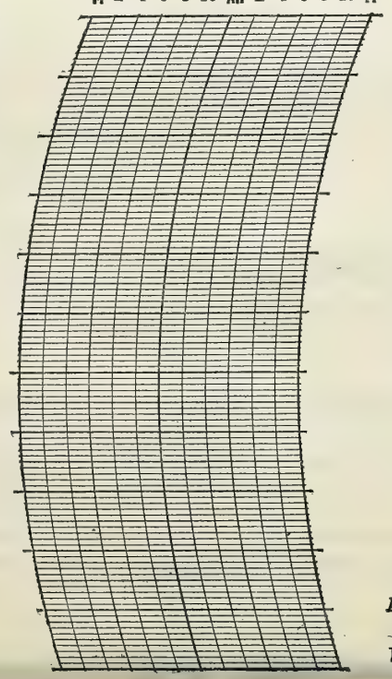

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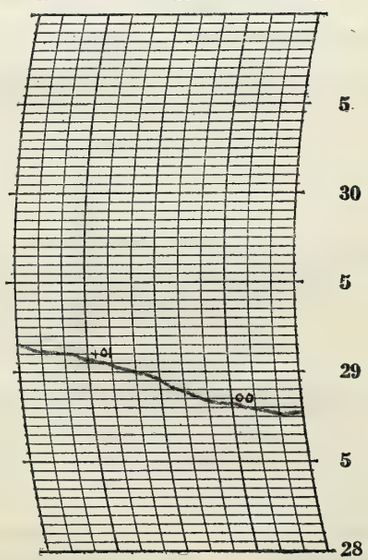


Prepared by L. C. S.

Verified by E. L. H.

S—486

NOTES

Heavy to killing frost recorded this morning. Not much damage except to some flowers and some truck.

A Clear day. Flying conditions good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) APR 29 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	53	47	45	43	41	40	41	42	43	48	49	48
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Pt Cloudy						
Sunshine (in tenths of hours)					.32 0	1.0 0	1.0 0	0.1 0.8	1.0	1.0	1.0	1.0
Wind direction	W	NE	N	N	N	NW	N	N	N	N	NW	NW
Wind movement	12	11	9	9	6	7	10	12	11	10	10	9

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	49	51	51	52	54	52	49	45	41	40	37	37
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Clear						
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.4 0.6	.58 0					
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	8	9	10	9	8	8	8	10	9	9	6	5

Sunrise: Time, 4:41 Character, Clear
Moonrise:
Sunset: Time, 6:35 Character, Clear
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

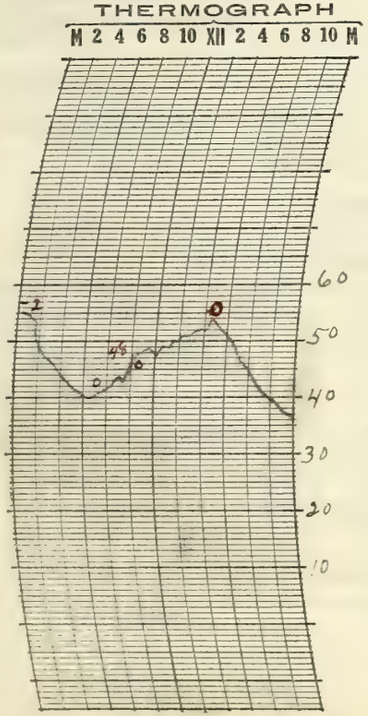
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
55	37	46	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 13.8 Possible sunshine, hours, 13.9
Per cent of possible sunshine, 99
Prevailing wind direction, NW Total wind, 215
Average hourly velocity, 9.0 Extreme velocity, 18
Maximum velocity, 18 Direction, N
Time began, 12:55 A
Reduced barometer, 29.97 a. m. 30.08 p. m
River gage, +2.1 feet
Relative humidity, 58 a. m. 46 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 47.5 Wet temperature, 37.5
Dew-point, 22 R. humidity, 36 V. pressure, .113
Clouds: Amount, 1; Kind, Cirst; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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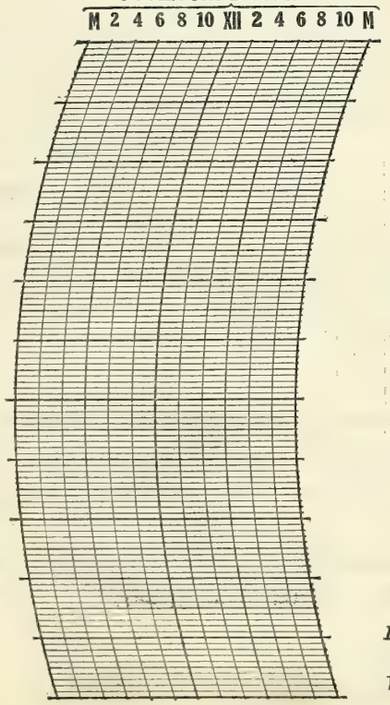
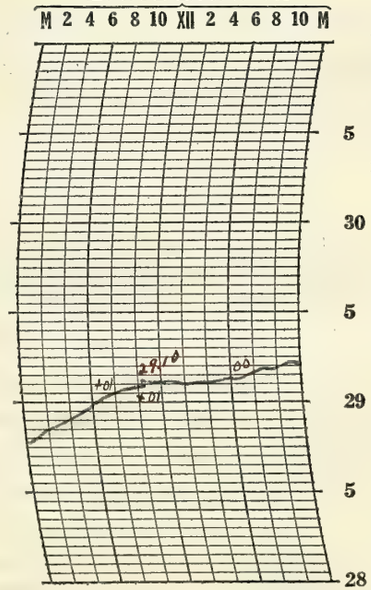


BAROGRAPH.



Prepared by L.C.S.

Verified by E.P.H.

8—486

NOTES

a clear day. Flying conditions good. 7 rost Warnings received and issued

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) APR 30 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	36	35	34	34	35	41	46	50	52	53	56	57	59	58	59	58	58	56	53	51	50	47	46
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Clear																		
Sunshine (in tenths of hours)					.33 0	1.0 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4 0.6	.60 0					
Wind direction	NW	N	N	NE	NE	NE	E	E	E	NE	NE	NE	E	NE	N	NE	E	NE	NE	E	E	E	SE	SE
Wind movement	5	5	6	7	6	6	7	6	6	6	6	7	6	5	6	6	6	5	4	5	6	7	9	5
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4:46 Character, Clear
Moonrise:
Sunset: Time, 6:36 Character, Clear
Moonset:

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

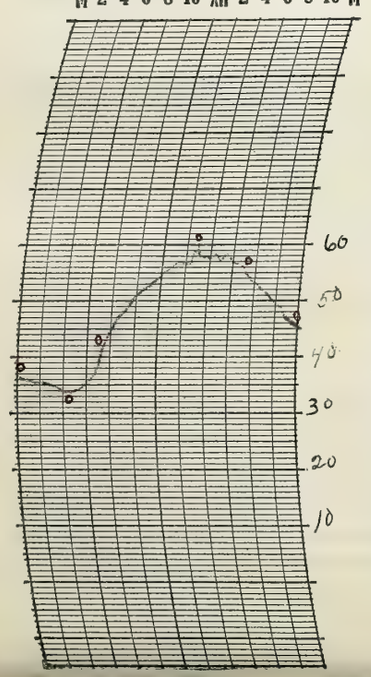
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
60	34	47	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 13.9 Possible sunshine, hours, 13.9
Per cent of possible sunshine, 100
Prevailing wind direction, NE Total wind, 143
Average hourly velocity, 6.0 Extreme velocity, 9
Maximum velocity, 9 Direction, SE
Time began, 10:45 P
Reduced barometer, 30.23 a. m. 30.17 p. m.
River gage, +1.9 feet
Relative humidity, 65 a. m. 35 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 55.6 Wet temperature, 43.6
Dew-point, 29 R. humidity, 35 V. pressure, .157
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

THERMOGRAPH



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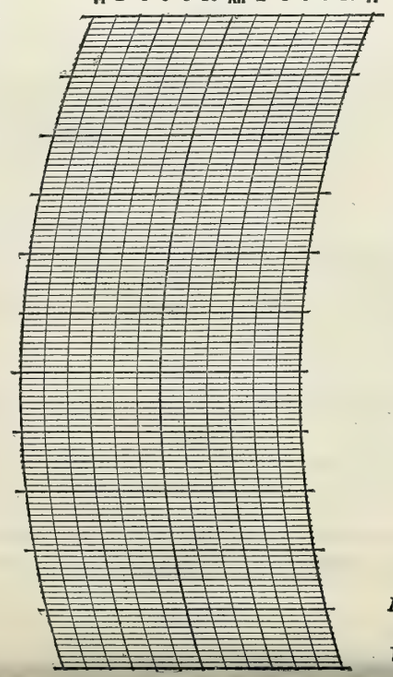
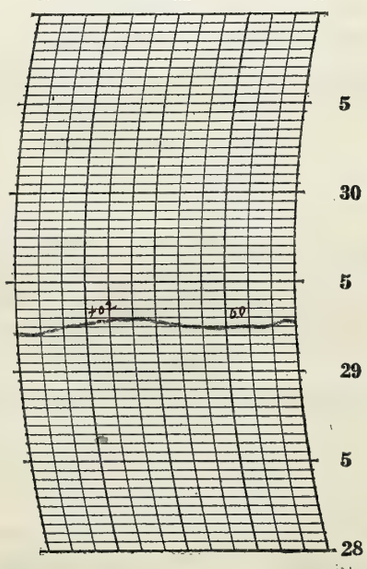


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

S—486

NOTES

a clear day. 7 lying conditions good
Heavy frost in morning

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) MAY 1 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	42	42	41	40	39	40	45	49	54	57	58	60	62	64	66	65	65	64	63	59	56	54	52	51
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←					Clear									→				
Sunrise: Time, 4:39 Character, Clear																					Sunset: Time, 6:37 Character, Clear			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)					.35 0	1.0 0	0.4 0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	0					
Wind direction	E	E	E	E	E	E	SE	SE	SE	SE	SE	SE	SE	SE	SE	S	S	S	SE	S	S	S	S	S
Wind movement	6	6	5	4	3	4	8	9	10	10	8	7	7	7	6	6	6	5	5	7	8	9	9	8
Maximum velocities (exceeding 24 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

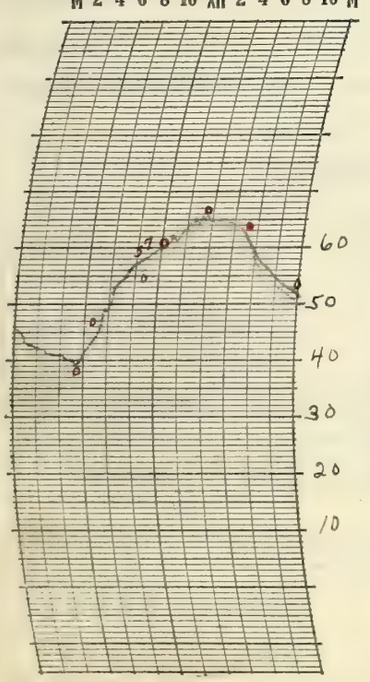
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
66	39	52	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 14.0 Possible sunshine, hours, 14.0
Per cent of possible sunshine, 100
Prevailing wind direction, SE Total wind, 163
Average hourly velocity, 6.8 Extreme velocity, 13
Maximum velocity, 13 Direction, SE
Time began, 7:37 A.
Reduced barometer, 30.21 a. m. 29.95 p. m.
River gage, 7.9 feet
Relative humidity, 52 a. m. 42 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 59.5 Wet temperature, 46.0
Dew-point, 30 R. humidity, 32 V. pressure, .164
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

THERMOGRAPH



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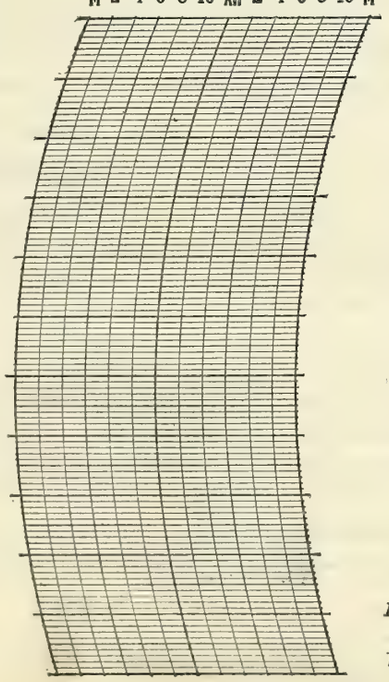
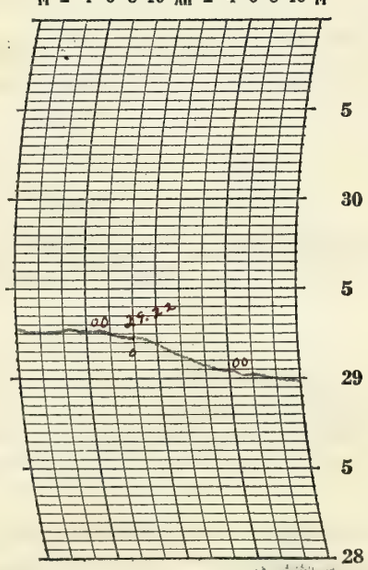


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

a Clear day. Flying conditions good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAY 2 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	50	50	49	49	49	50	55	57	55	56	57	58
State of weather: Nature of precipitation and time of beginning and ending								RB 7:20 RE 7:40				
Amounts of precipitation								T				
Cloudiness and other conditions						←	Cloudy			→		
Sunshine (in tenths of hours)					0	0	0	0.1	0.3	0.9	1.0	1.0
Wind direction	S	S	S	S	S	S	SW	SW	NW	NW	NW	W
Wind movement	8	9	11	10	9	9	8	10	13	13	16	15
Maximum velocities (exceeding 24 miles) direction and time												

Sunrise: Time, 4:37 Character, Cloudy
Moonrise:

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	57	56	54	52	50	48	47	45	43	42	40	39
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				Clear				→				
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.6 0.4	.63 0					
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	N
Wind movement	18	20	20	19	21	19	15	12	9	10	7	9
Maximum velocities (exceeding 24 miles) direction and time				25 NW 3:58								

Sunset: Time, 6:38 Character, Clear
Moonset:

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
59	39	49	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cldy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 9.9 Possible sunshine, hours, 14.0
Per cent of possible sunshine, 71
Prevailing wind direction, NW Total wind, 3.10
Average hourly velocity, 12.9 Extreme velocity, 27
Maximum velocity, 25 Direction, NW
Time began, 3:58 P
Reduced barometer, 29.84 7 a. m. 30.03 7 p. m.
River gage, +1.5 Feet
Relative humidity, 85 7 a. m. 57 7 p. m.

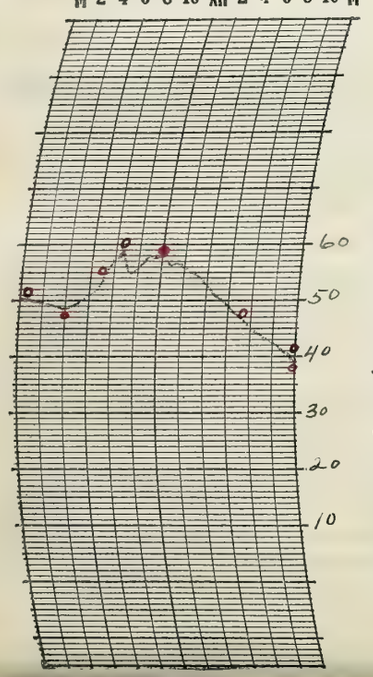
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 57.6 Wet temperature, 47.1
Dew-point, 36 R. humidity, 45 V. pressure, .211
Clouds: Amount, 1; Kind, Ci; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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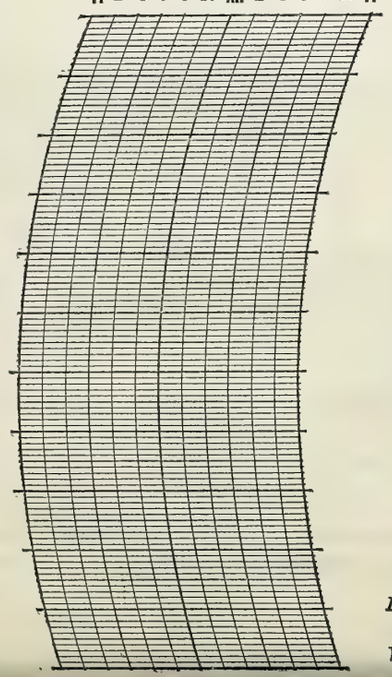
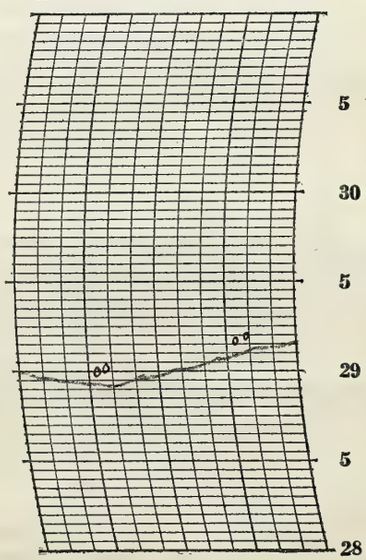


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

Frost warning for May 3rd included in H.M.
Forecast from Chicago, warning broadcasted in usual way.
Flying conditions good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAY 3 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	38	37	38	39	37	37	40	43	46	49	51	54
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Clear						
Sunshine (in tenths of hours)					Ho 0	0.5 0H	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	N	N	N	N	N	N	N	N	N	N	N	N
Wind movement	6	3	3	3	4	5	9	9	7	7	6	6

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	57	60	60	61	60	59	56	54	53	51	49
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.6 0H	.65 0					
Wind direction	N	N	N	NE	NE	E	NE	NE	NE	E	E	E
Wind movement	6	6	5	6	4	4	4	3	4	4	4	5

State of weather.

Sunrise: Time, 4:36 Character, Clear

Moonrise:

Sunset: Time, 6:39 Character, Clear

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
61	37	49	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 0

Actual sunshine, hours, 13.9 Possible sunshine, hours, 14.0

Per cent of possible sunshine, 99

Prevailing wind direction, N Total wind, 123

Average hourly velocity, 5.1 Extreme velocity, 12

Maximum velocity, 12 Direction, N

Time began, 7:10 A.

Reduced barometer, 30.20 7a. m. 30.17 7p. m.

River gage, +1.3 feet

Relative humidity, 72 7a. m. 39 7p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

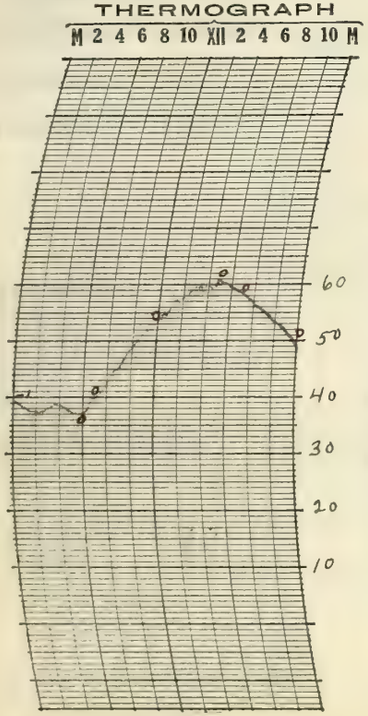
Dry temperature, 54.0 Wet temperature, 43.8

Dew-point, 32 R. humidity, 42 V. pressure, 180

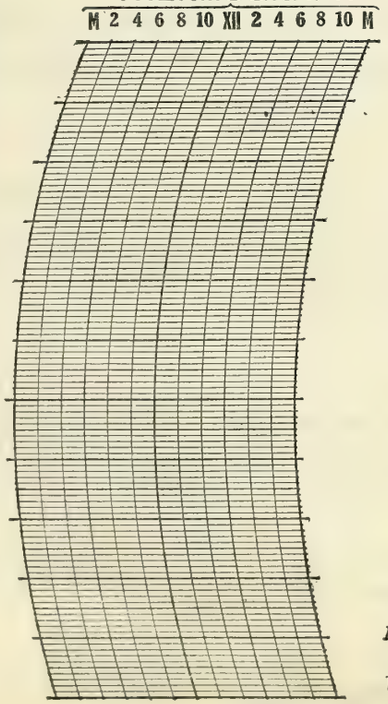
Clouds: Amount, 0; Kind, 0; Direction, 0

Velocity of clouds (miles per hour)

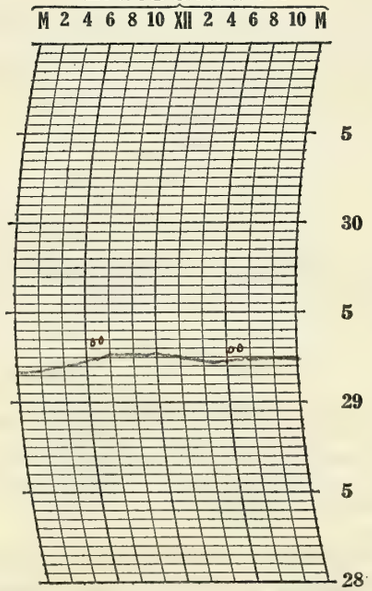
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.H.

8—486

NOTES

No frost at station but some in low lands in the country. 7 rost warning received from Chicago - broadcasted over Radio and telephoned to special frost list. Beautiful day but cool. 7 flying conditions excellent.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAY 4 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	47	45	44	43	41	43	49	53	57	60	63	65	68	69	70	72	71	70	68	66	62	60	55	52
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←							Clear									→		
Sunshine (in tenths of hours)					.42 0	1.0 0	0.4 0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0					
Wind direction	SE	E	E	E	E	E	E	E	E	E	E	E	E	E	SE	E	E	SE	SE	E	E	E	E	E
Wind movement	6	4	3	4	1	3	4	5	8	11	10	11	10	10	10	9	11	8	6	5	6	6	8	6
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4:35 Character, Clear
Moonrise:
Sunset: Time, 6:40 Character, Cloudy
Moonset:

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

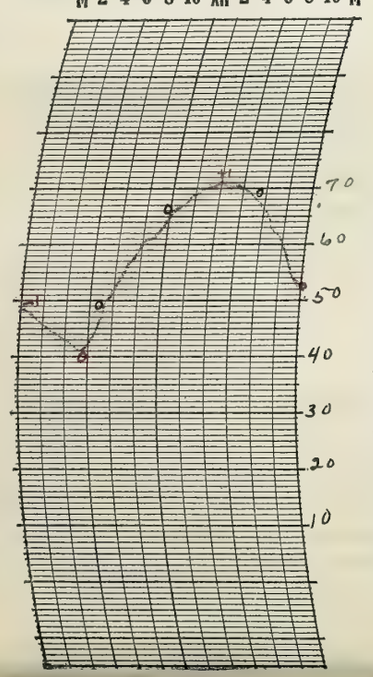
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
72	41	56	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 13.0 Possible sunshine, hours, 14.1
Per cent of possible sunshine, 92
Prevailing wind direction, E Total wind, 165
Average hourly velocity, 6.9 Extreme velocity, 16
Maximum velocity, 15 Direction, E
Time began, 2:16 P
Reduced barometer, 30.21 a. m. 29.98 p. m.
River gage, +1.0 feet
Relative humidity, 64 a. m. 35 p. m.

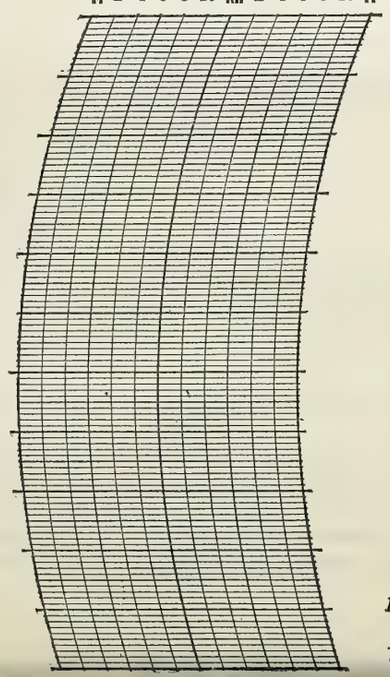
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 65.0 Wet temperature, 48.7
Dew-point, 30 R. humidity, 27 V. pressure, .164
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

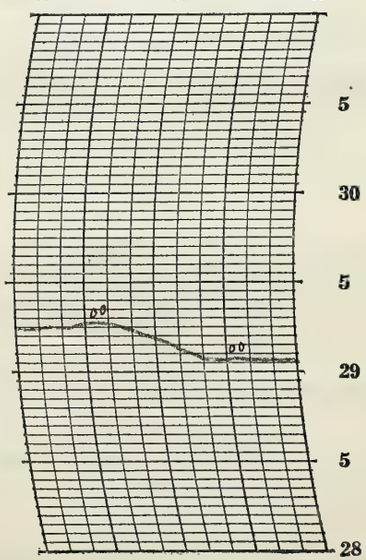
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

S—486

NOTES

Light frost occurred this morning damage very slight if any.
A Clear day. Flying conditions excellent.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) ~~Fort Wayne, Ind.~~, (Day of week) Tuesday, (Date) MAY 5 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	51	49	48	46	46	49	56	62	68	73	74	76	77	76	75	76	76	71	70	69	67	65	64	63
State of weather: Nature of precipitation and time of beginning and ending																		RB 5:35 RE 5:55						
Amounts of precipitation																		T						
Cloudiness and other conditions						←		Clear					×			Partly			×	Cloudy		→		
Sunshine (in tenths of hours)					.45 0	1.0 0	0.1 0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.8	1.0	1.0	1.0	0.1	0					
Wind direction	E	E	E	E	E	E	SE	SE	SE	S	S	S	S	S	S	S	S	SE	SE	SE	SE	SE	SE	SE
Wind movement	5	4	4	5	5	4	3	5	5	9	11	13	12	12	14	12	12	12	6	6	7	8	8	9
Maximum velocities (exceeding ___ miles) direction and time																								

Sunrise: Time, 4:33 Character, Clear
Moonrise: ___ ___
Sunset: Time, 6:41 Character, Cloudy
Moonset: ___ ___

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
77	46	62	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Clear Moon phase, ___
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 12.4 Possible sunshine, hours, 14.1
Per cent of possible sunshine, 88
Prevailing wind direction, SE Total wind, 191
Average hourly velocity, 8.0 Extreme velocity, 18
Maximum velocity, 17 Direction, SE
Time began, 5:19 P
Reduced barometer, 29.92 7 a. m. 29.78 7 p. m
River gage, +1.0 feet
Relative humidity, 63 7 a. m. 57 7 p. m.

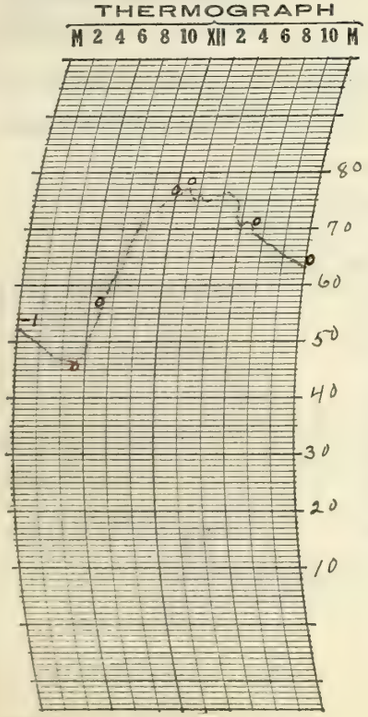
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 76.0 Wet temperature, 60.0
Dew-point, 49 R. humidity, 38 V. pressure, 347
Clouds: Amount, 3; Kind, a cu; Direction, S
Velocity of clouds (miles per hour)

THERMOGRAPH



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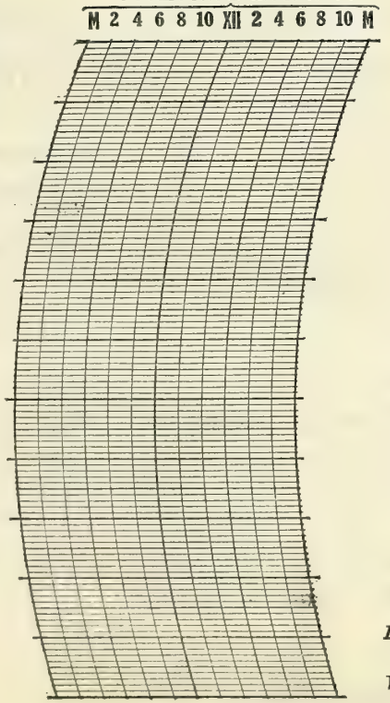
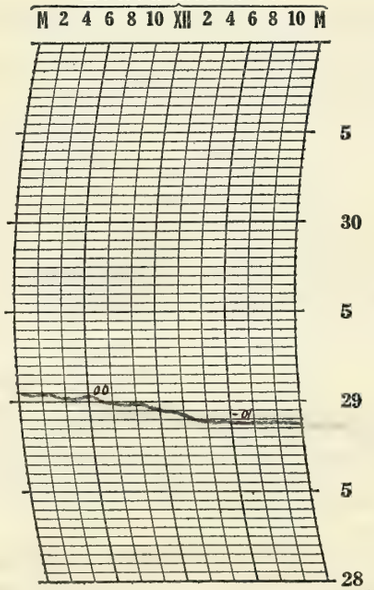


BAROGRAPH.



Prepared by L. C. S.

Verified by T. L. +

8—486

NOTES

a Clear warm day.
7 lying conditions Excellent

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAY 6 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	62	61	60	59	59	60	61	61	63	61	62
State of weather: Nature of precipitation and time of beginning and ending											RB 10:40	
Amounts of precipitation											T	T
Cloudiness and other conditions											Cloudy	
Sunshine (in tenths of hours)					0	0	0	0.1	0	0	0	0
Wind direction	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	8	7	7	7	8	9	11	11	12	13	13	12
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	61	60	60	60	60	48	45	44	43	43	43
State of weather: Nature of precipitation and time of beginning and ending												Rcntd
Amounts of precipitation	0.12	T	01	02	04	03	0.17	T	T	T	01	T
Cloudiness and other conditions												
Sunshine (in tenths of hours)	0	0.1	0	0	0	0	0					
Wind direction	SE	SE	SE	S	SE	SE	W	W	W	W	W	W
Wind movement	11	13	10	9	9	6	12	12	12	13	11	10
Maximum velocities (exceeding 24 miles) direction and time												

Sunrise: Time, 4:32 Character, Cloudy
Moonrise:

Sunset: Time, 6:42 Character, Cloudy
Moonset:

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
63	43	53	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0.38 ins.
Total precipitation, midnight to midnight, 0.40 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.2 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 1
Prevailing wind direction, SE Total wind, 246
Average hourly velocity, 10.2 Extreme velocity, 20
Maximum velocity, 18 Direction, SE
Time began, 10:10 A
Reduced barometer, 29.73 7 a. m. 29.71 7 p. m.
River gage, +0.9 Feet
Relative humidity, 87 7 a. m. 100 7 p. m.

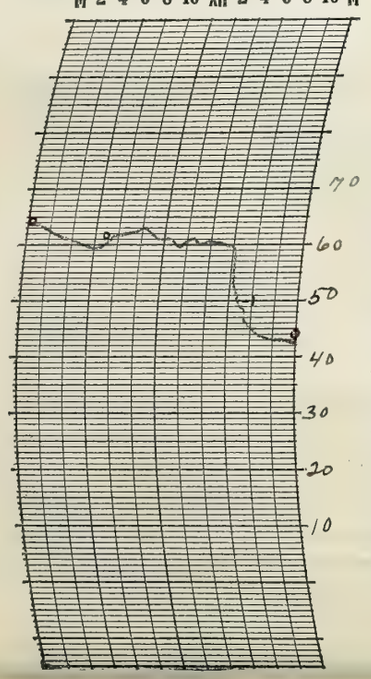
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 61.7 Wet temperature, 58.7
Dew-point, 57 R. humidity, 84 V. pressure, 365
Clouds: Amount, 10; Kind, St Cu; Direction, SE
Velocity of clouds (miles per hour)

THERMOGRAPH



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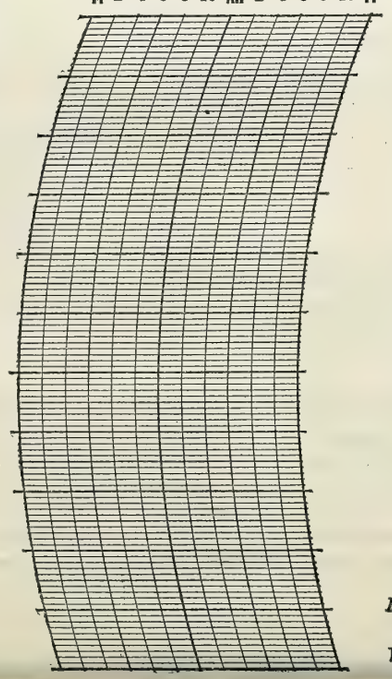
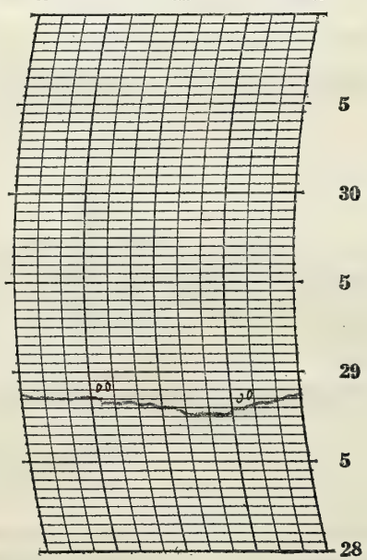


BAROGRAPH.



Prepared by L.C.S.

Verified by E. L. H

8—486

NOTES

a Cloudy rainy day.
Flying conditions very poor.
In a Plane unable to come through.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAY 7 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	42	43	43	42	41	40	40	41	41	41	41	43
Nature of precipitation and time of beginning and ending	RE DNH						RB 6:10 RE 6:20	RB 7:05	RE 8:05			
Amounts of precipitation	T						T	T	T			
Cloudiness and other conditions						Cloudy						
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0
Wind direction	W	W	SW	SW	SW	SW	SW	SW	SW	SW	S	S
Wind movement	7	7	8	8	8	8	7	7	8	7	7	9

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	42	41	41	42	42	41	40	40	39	39	38
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	0	0	0	0	0	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	8	10	8	6	6	7	6	4	6	3	3	1

Sunrise: Time, 4:31 Character, Cloudy
Moonrise:
Sunset: Time, 6:43 Character, Cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

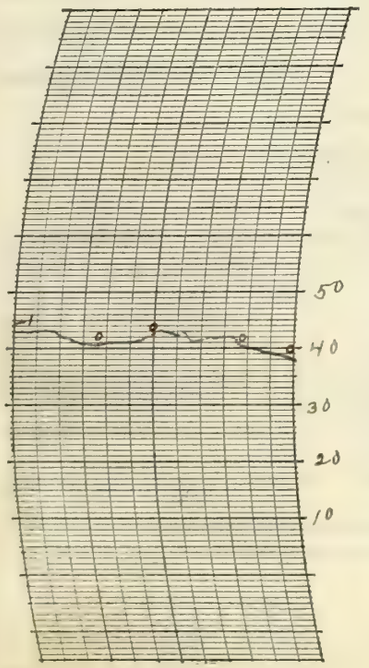
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
43	38	40	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.2 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 14.2
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind, 159
Average hourly velocity, 6.6 Extreme velocity, 13
Maximum velocity, 13 Direction, SW
Time began, 2:27 P
Reduced barometer, 29.88 7 a. m. 29.88 7 p. m
River gage, +0.9 feet
Relative humidity, 96 7 a. m. 78 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 42.7 Wet temperature, 40.0
Dew-point, 37 R. humidity, 79 V. pressure, 219
Clouds: Amount, 10; Kind, Stu; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH



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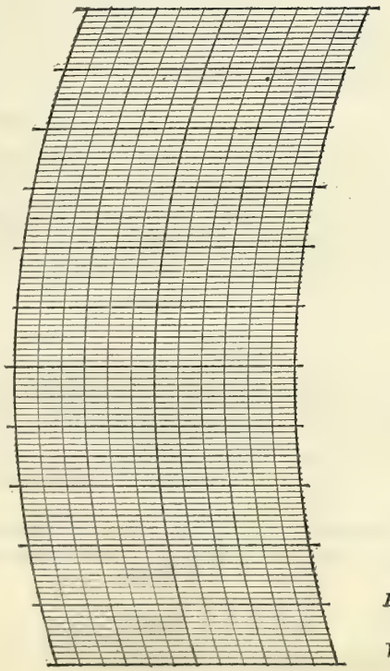
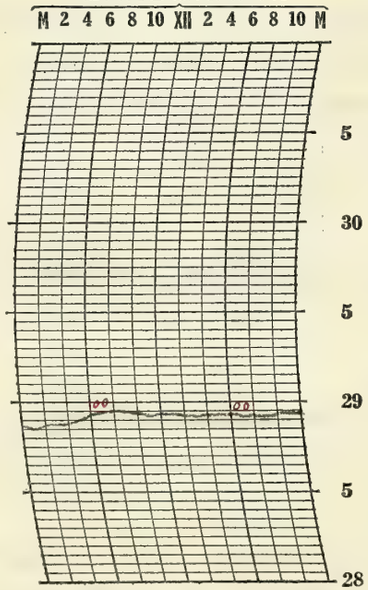


BAROGRAPH.



Prepared by L. C. S.
Verified by C. F. A.

8—486

NOTES

a cool gloomy day: 7 lying conditions fair

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) MAY 8 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	38	38	37	37	37	38	44	45	48	50	54	58
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←						
Sunrise: Time, 4:30 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)					0	0	0	0.1	0.1	0	0	0.4
Wind direction	SW	S	S	S	SE	SE	SE	SE	SE	SE	S	S
Wind movement	2	4	4	5	5	6	6	10	10	9	11	7
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	60	63	61	60	60	58	58	53	50	50	49	49
State of weather: Nature of precipitation and time of beginning and ending							RB 6:35					Rain
Amounts of precipitation							T	T	01	01	03	02
Cloudiness and other conditions						Cloudy →						
Sunset: Time, 6:44 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0	0.7	0.4	0	0	0	0					
Wind direction	S	S	S	S	S	S	SE	S	SE	SE	SE	E
Wind movement	11	13	16	14	11	9	11	11	9	7	9	9
Maximum velocities (exceeding 24 miles) direction and time												

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

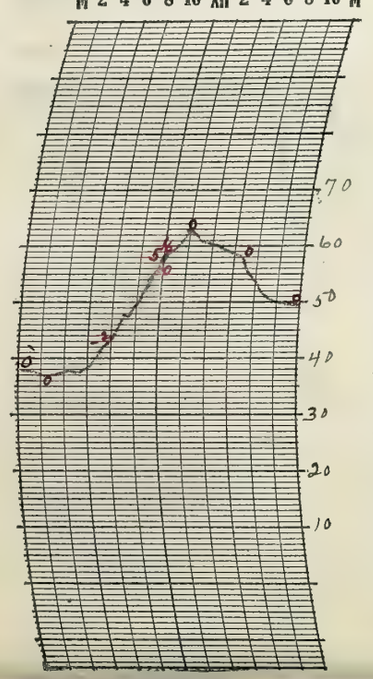
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
63	37	50	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .07 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 1.7 Possible sunshine, hours, 14.2
Per cent of possible sunshine, 12
Prevailing wind direction, S Total wind, 209
Average hourly velocity, 8.7 Extreme velocity, 20
Maximum velocity, 19 Direction, S
Time began, 2:28 P
Reduced barometer, 29.87 7 a. m. 29.79 7 p. m.
River gage, +0.9 feet
Relative humidity, 80 7 a. m. 57 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 58.3 Wet temperature, 50.8
Dew-point, 44 R. humidity, 60 V. pressure, .287
Clouds: Amount, 10; Kind, Stu.; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH



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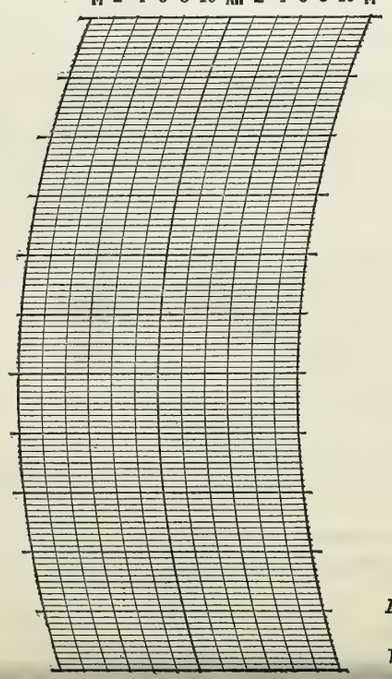
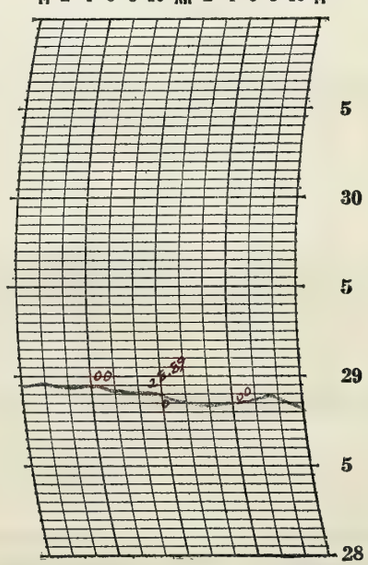


BAROGRAPH.



Prepared by L.C.S

Verified by E.P.H

NOTES

a cloudy day - 7 flying conditions fair

2—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAY 9 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	49	50	52	51	51	52	51	52	53	54	57	61
Nature of precipitation and time of beginning and ending	Rain											RE 11:55
Amounts of precipitation	01	T	T	03	02	04	01	T	T	T	T	T
Cloudiness and other conditions						Cloudy						
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0
Wind direction	E	E	E	SE	SE	E	SE	SE	SE	SE	SE	S
Wind movement	10	11	9	11	11	9	12	14	14	14	14	12

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	65	63	60	60	59	53	50	50	50	49	47
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Pt Cldy							
Sunshine (in tenths of hours)	0.8	1.0	0.9	0.3	0.6	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	S	SW	S	S	S	S
Wind movement	14	17	16	15	13	9	11	7	6	7	8	7

State of weather.

Sunrise: Time, 4:29 Character, Cloudy
Moonrise:

Sunset: Time, 6:45 Character, Cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

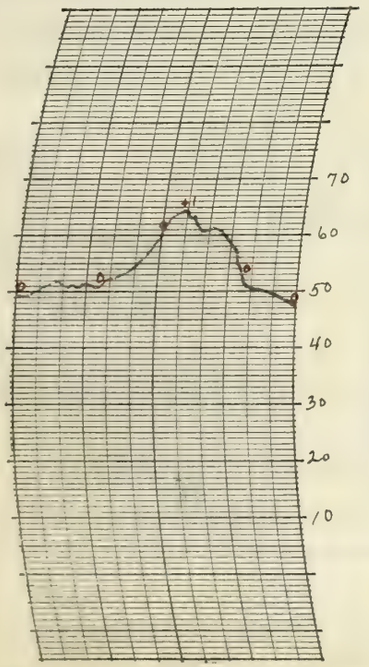
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
65	47	56	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.18 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 0.11 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 3.6 Possible sunshine, hours, 14.3
Per cent of possible sunshine, 25
Prevailing wind direction, SE & SW Total wind, 271
Average hourly velocity, 11.3 Extreme velocity, 22
Maximum velocity, 20 Direction, SW
Time began, 1:00 P
Reduced barometer, 29.58 7 a. m. 29.63 7 p. m
River gage, +1.1 feet
Relative humidity, 97 7 a. m. 70 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 61.2 Wet temperature, 58.2
Dew-point, 56 R. humidity, 84 V. pressure, 448
Clouds: Amount, 10; Kind, St Cu; Direction, S
Velocity of clouds (miles per hour)

THERMOGRAPH



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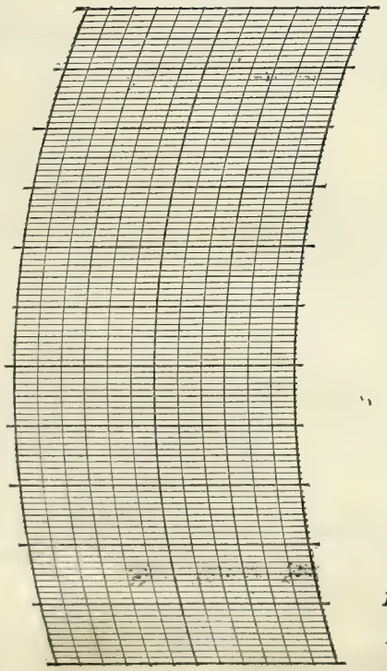


BAROGRAPH.

Prepared by L.C.S.

Verified by E.L.H

8—486

NOTES

Rain and mist at intervals from 12:00 A M until 11:55 A. The rain was very light. Flying conditions poor until noon.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAY 10 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	46	46	47	45	45	47	49	49	49	50	54	50
Nature of precipitation and time of beginning and ending				RB DNR			RE 6:35	RB 7:15			RE 10:30	RB 11:30
Amounts of precipitation				T	01	T	01	01	01	03	T	T
Cloudiness and other conditions												
Sunshine (in tenths of hours)					0	0	0	0	0	0	0.1	0
Wind direction	S	SE	SE	SE	SE	SE	SE	SE	S	S	S	SW
Wind movement	6	7	7	7	7	7	9	11	12	12	10	14

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	52	51	55	54	53	52	52	51	50	50	49	49
Nature of precipitation and time of beginning and ending	RE 12:20 RB 12:40	RE 1:12 RB 1:35 RE 1:55							RB 8:10		RE DNP	
Amounts of precipitation	05	01							T	T	T	
Cloudiness and other conditions	Cloudy →											
Sunshine (in tenths of hours)	0.1	02	06	04	04	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	S	S	S	S	S
Wind movement	10	10	11	10	11	9	7	8	8	8	8	7

State of weather.

Sunrise: Time, 4:28 Character, Cloudy

Moonrise:

Sunset: Time, 6:46 Character, Cloudy

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
55	45	50	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 02 ins.; to 7 p. m., 0.11 ins.

Total precipitation, midnight to midnight, 0.13 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 9

Actual sunshine, hours, 1.8 Possible sunshine, hours, 14.3

Per cent of possible sunshine, 13

Prevailing wind direction, S Total wind, 216

Average hourly velocity, 9.0 Extreme velocity, 20

Maximum velocity, 19 Direction, S

Time began, 11:23 A.

Reduced barometer, 29.60 7 a. m. 29.68 7 p. m.

River gage, +1.1 Feet

Relative humidity, 87 7 a. m. 90 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

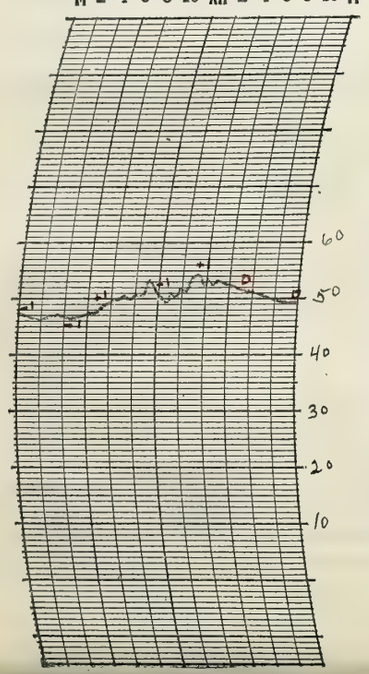
Dry temperature, 50 Wet temperature, 49.5

Dew-point, 49 R. humidity, 96 V. pressure, .347

Clouds: Amount, 10; Kind, St Cu; Direction, SW

Velocity of clouds (miles per hour)

THERMOGRAPH



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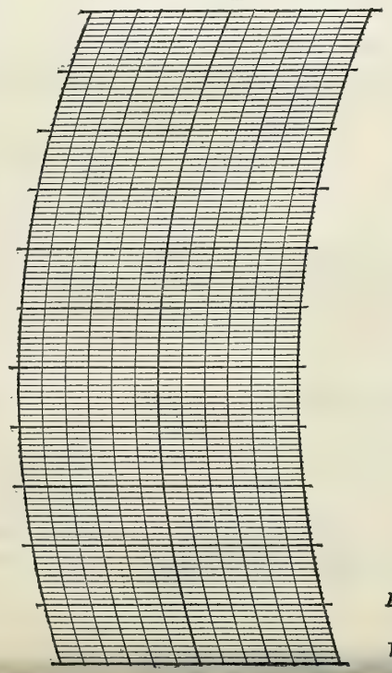
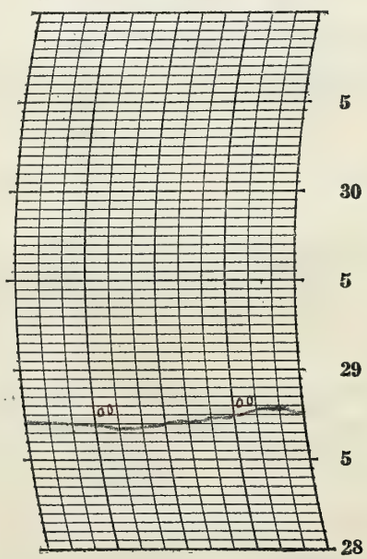


BAROGRAPH.



Prepared by L.C.S.

Verified by E.J.H

NOTES

Showers off and on all day with short periods of sunshine in between. A very threatening day. None of the showers were heavy, and the precipitation at night was in the form of a mist.

Ceiling averaged about 1000 ft throughout the day and visibility from 1 to 4 miles. Eight long distance calls for flying weather were received and answered during the day.

S—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAY 11 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	49	48	48	48	48	49	49	49	50	52	53	51	52	56	58	55	57	56	56	54	53	52	49	48
State of weather: Nature of precipitation and time of beginning and ending					R B 4:30		R E 6:40				R B 10:20	R E 11:50				R B 3:30 R E 3:45								
Amounts of precipitation					0.1	0.1	T				T	T				0.1								
Cloudiness and other conditions					Cloudy										Pt cldy									
Sunrise: Time, 4:27 Character, Cloudy																					Sunset: Time, 6:47 Character, Cloudy			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)					0	0	0	0	0	0	0.1	0	0.5	0.8	0.6	0.1	0	0	0					
Wind direction	S	SE	S	SE	SE	SE	SE	S	S	S	S	S	SE	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	7	7	8	7	6	7	6	9	8	5	5	5	5	7	5	6	5	5	2	2	2	3	3	3
Maximum velocities (exceeding 24 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

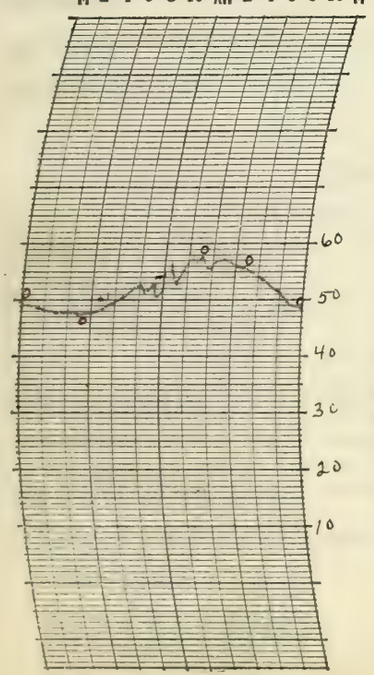
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
58	48	53	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .03 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 2.1 Possible sunshine, hours, 14.3
Per cent of possible sunshine, 15
Prevailing wind direction, SW Total wind, 128
Average hourly velocity, 5.3 Extreme velocity, 15
Maximum velocity, 14 Direction, S
Time began, 7:50 a.
Reduced barometer, 29.67 7 a. m. 29.72 7 p. m
River gage, +1.3 feet
Relative humidity, 93 7 a. m. 66 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 51.0 Wet temperature, 48.0
Dew-point, 45 R. humidity, 81 V. pressure, 29.8
Clouds: Amount, 4; Kind, ac cu; Direction, S
Velocity of clouds (miles per hour)

THERMOGRAPH



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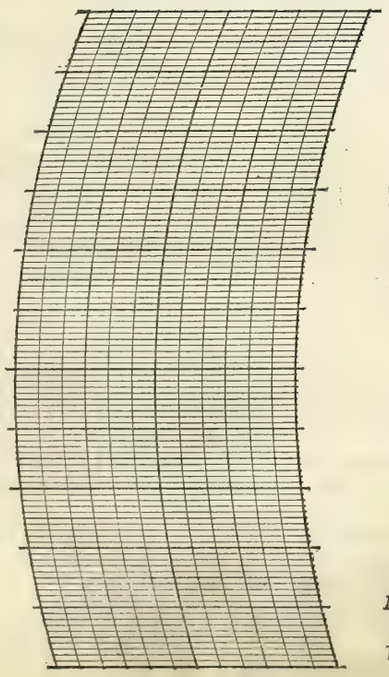
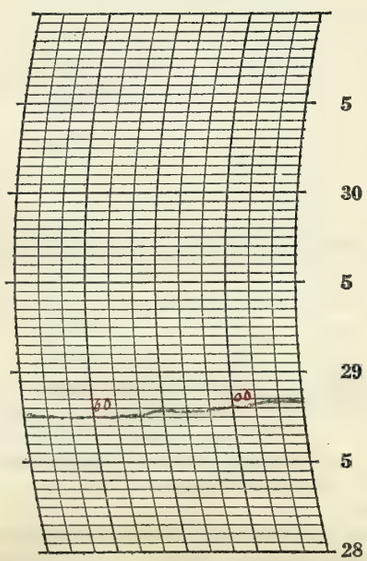


BAROGRAPH.



Prepared by L. L. S.

Verified by E. L. H

8—486

NOTES

a light shower occurred during the early morning.
a cloudy day. 7 lying conditions fair

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAY 12 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	48	47	46	44	43	44	47	56	56	61	61	59
State of weather: Nature of precipitation and time of beginning and ending		R^B DNA R^E DNA										
Amounts of precipitation		T										
Cloudiness and other conditions						←		Clear			× Cldy	×
Sunshine (in tenths of hours)					.5 7 0	1.0 0	1.0 0	0.3 0.7	0.8	1.0	0.6	0
Wind direction	SW	SW	SW	SW	SW	0	SW	SW	NE	NE	N	N
Wind movement	3	2	1	1	2	0	1	2	5	5	6	6

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	60	62	63	59	58	55	55	54	53	53	52	52
State of weather: Nature of precipitation and time of beginning and ending				R^B 3:05 R^E 3:25		R^B 5:15 R^E 5:35						R^B D.N.P.
Amounts of precipitation				.01		T						T
Cloudiness and other conditions								→				
Sunshine (in tenths of hours)	0.1	0.9	0.6	0	0.2	0	0					
Wind direction	N	NE	N	NE	E	E	E	E	N	N	N	N
Wind movement	7	8	11	8	7	5	2	3	5	4	5	5

Pt Cldy × Cldy

Sunrise: Time, 4:26 Character, Clear

Moonrise:

Sunset: Time, 6:49 Character, Cloudy

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
63	43	53	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., .01 ins.

Total precipitation, midnight to midnight, .01 inches.

Character of day, Pt Cldy Moon phase,

Average daily cloudiness (0-10), 5

Actual sunshine, hours, 7.8 Possible sunshine, hours, 14.4

Per cent of possible sunshine, 54

Prevailing wind direction, N Total wind, 104

Average hourly velocity, 4.3 Extreme velocity, 16

Maximum velocity, 15 Direction, NE

Time began, 2:58 P

Reduced barometer, 29.79 7 a. m. 29.81 7 p. m.

River gage, +1.4 feet

Relative humidity, 86 7 a. m. 76 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

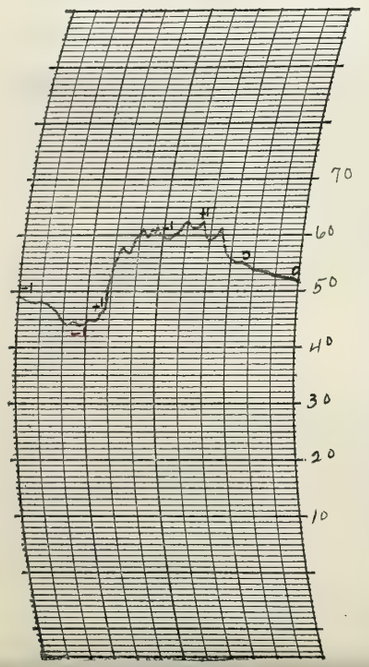
Dry temperature, 59.4 Wet temperature, 52.5

Dew-point, 47 R. humidity, 63 V. pressure, .322

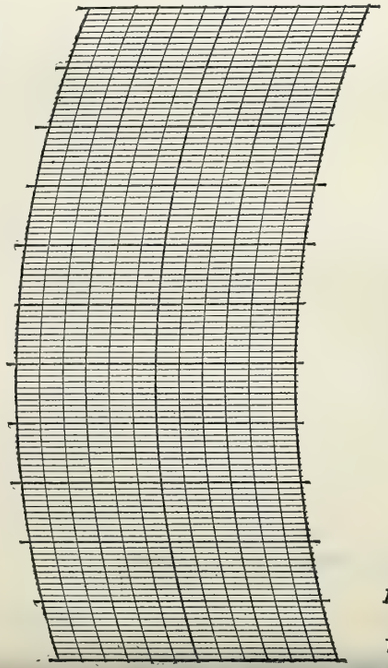
Clouds: Amount, 9; Kind, A. Cu.; Direction, W

Velocity of clouds (miles per hour)

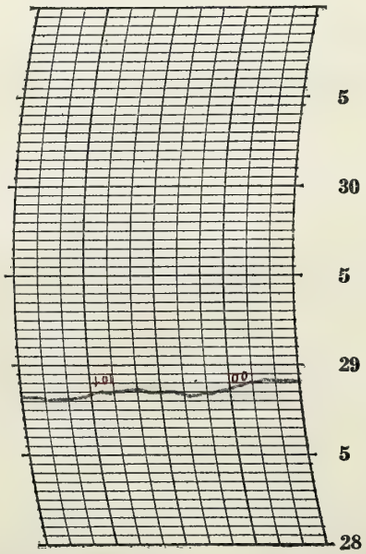
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

a part cloudy day. 7 lying conditions fair

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAY 18 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	51	51	50	48	47	48	51	54	56	56	57	60
State of weather: Nature of precipitation and time of beginning and ending	RE D.N.R.											
Amounts of precipitation	.02											
Cloudiness and other conditions						← Cldy		→				
Sunrise: Time, Character, Moonrise:	4:25 Cloudy											
Sunshine (in tenths of hours)					0	0	0	0.5	0.8	0.3	0.1	0.9
Wind direction	N	N	N	N	N	N	N	N	N	N	N	N
Wind movement	5	4	7	6	8	9	10	9	11	12	12	13

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	60	62	63	60	61	59	57	56	53	53	51	50
State of weather: Nature of precipitation and time of beginning and ending				RB 3:48 RE 4:00					RB 8:05 RE 8:25 P			
Amounts of precipitation				T					.06			
Cloudiness and other conditions	Pt Cldy							→	Clay			
Sunset: Time, Character, Moonset:									6:50 Cloudy			
Sunshine (in tenths of hours)	0.3	0.4	0.5	0.2	0.8	0.2	0					
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	N	NW	NW	NW
Wind movement	13	12	12	16	13	11	8	10	7	7	7	6

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

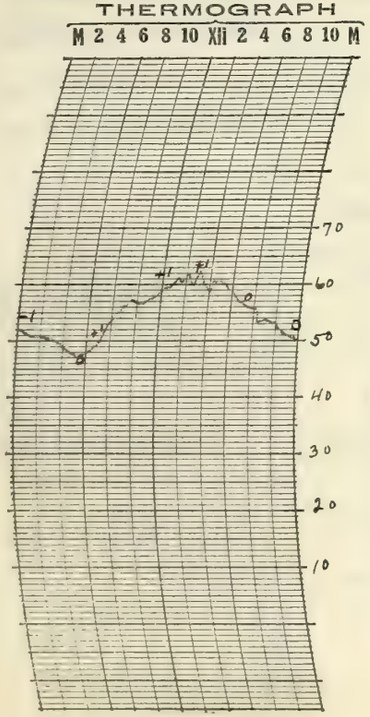
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
63	47	55	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .08 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 5.0 Possible sunshine, hours, 14.4
Per cent of possible sunshine, 35
Prevailing wind direction, N Total wind, 228
Average hourly velocity, 9.5 Extreme velocity, 22
Maximum velocity, 20 Direction, NW
Time began, 3:18 P
Reduced barometer, 29.90 7a. m. 29.91 7p. m
River gage, +1.3 feet
Relative humidity, 87 7a. m. 78 7p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 59.9 Wet temperature, 51.9
Dew-point, 45 R. humidity, 58 V. pressure, 298
Clouds: Amount, 6; Kind, a Cu; Direction, N
Velocity of clouds (miles per hour)

THERMOGRAPH



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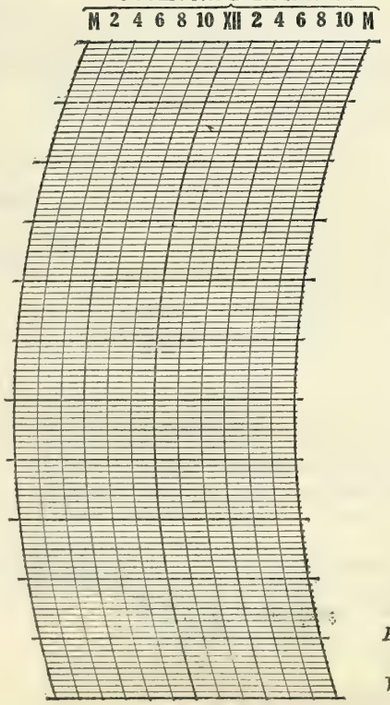
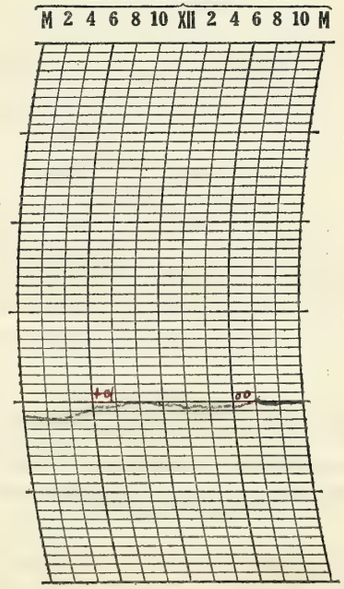


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

a part cloudy Day 7 flying conditions fair

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAY 14 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	50	49	47	46	45	46	50	57	61	63	65	67
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						clear						
Sunrise: Time, Character, 4:24 Clear												
Moonrise:												
Sunshine (in tenths of hours)					.60 0	1.0 0	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	5	5	5	7	4	4	4	4	7	7	8	9
Maximum velocities (exceeding 2.4 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	68	69	70	70	70	69	65	61	58	57	56	53
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunset: Time, Character, 6:51 Clear												
Moonset:												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.3 0.7	1.0 0	.85 0					
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	W	W
Wind movement	10	11	10	9	10	9	8	8	7	5	4	6
Maximum velocities (exceeding 2.4 miles) direction and time												

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
70	45	58	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .06 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 14.4 Possible sunshine, hours, 14.4
Per cent of possible sunshine, 100
Prevailing wind direction, NW Total wind, 166
Average hourly velocity, 6.9 Extreme velocity, 16
Maximum velocity, 15 Direction, NW
Time began, 1:04 P
Reduced barometer, 29.98 7 a. m. 29.95 7 p. m.
River gage, + 1.3 feet
Relative humidity, 68 7 a. m. 44 7 p. m.

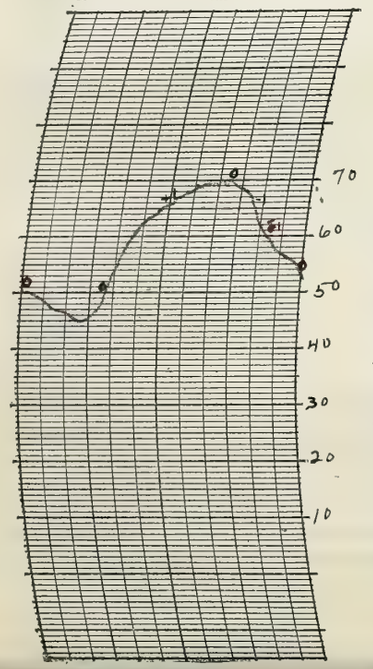
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 66.8 Wet temperature, 52.3
Dew-point, 39 R. humidity, 36 V. pressure, .237
Clouds: Amount, 7 cu; Kind, a cu; Direction, N
Velocity of clouds (miles per hour)

THERMOGRAPH



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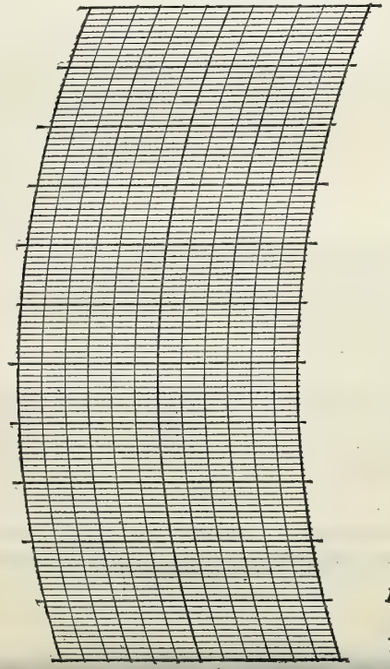
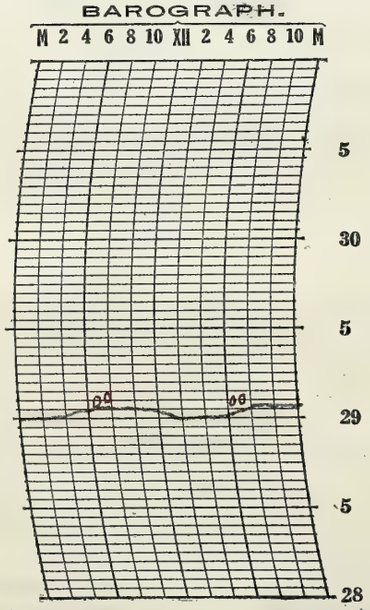


BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.H

NOTES

a Clear warm day. 7 flying conditions good.

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) MAY 15 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	52	52	51	51	50	50	57	62	66	71	74	75	78	79	78	77	76	73	72	70	67	67	65	64
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←					clear									→				
Sunrise: Time, 4:23 Character, Clear																					Sunset: Time, 6:52 Character, Cloudy			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)					.62 0	1.0 0	0.8 0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0	0					
Wind direction	SW	W	SW	SW	SW	SW	SW	W	W	W	W	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	6	7	6	6	6	6	6	10	11	13	13	15	15	14	14	15	16	12	10	9	10	11	9	9
Maximum velocities (exceeding 24 miles) direction and time																								

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

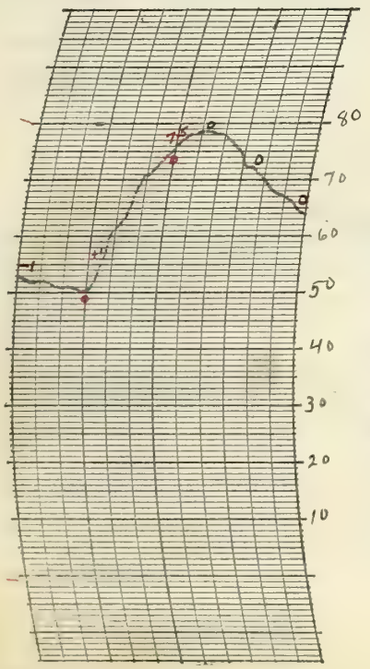
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
79	50	64	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 12.3 Possible sunshine, hours, 14.5
Per cent of possible sunshine, 85
Prevailing wind direction, SW Total wind, 249
Average hourly velocity, 10.4 Extreme velocity, 23
Maximum velocity, 21 Direction, SW
Time began, 4:07 P
Reduced barometer, 30.04 7a. m. 29.92 7p. m.
River gage, +1.2 feet
Relative humidity, 63 7a. m. 46 7p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 74.6 Wet temperature, 58.0
Dew-point, 45 R. humidity, 35 V. pressure, .298
Clouds: Amount, 2; Kind, Ci; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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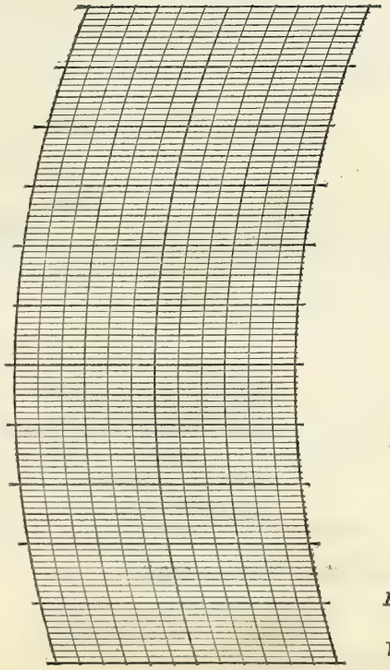
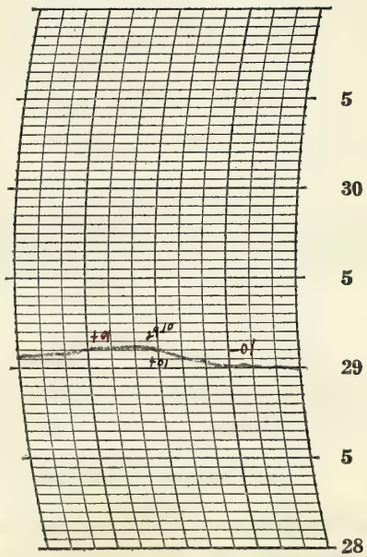


BAROGRAPH.



Prepared by L.C.S.

Verified by E.J.H.

8—486

NOTES

a Clear warm day 7 flying conditions excellent

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAY 16 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	62	61	60	59	60	64	66	71	75	78	79	81	82	84	81	80	79	73	67	62	60	54	52
State of weather: Nature of precipitation and time of beginning and ending																	RB 4:10 RE 4:15		RB 6:10	RE 8:00 R+H 8:00	R+HE 8:05 RB 8:05	RE 9:20		
Amounts of precipitation																	T		.04	.04	0.20	T		
Cloudiness and other conditions						← pt cldy, × cldy ×					← pt cloudy						× cloudy							
Sunrise: Time, 4:22 Character, Clear																					Sunset: Time, 6:52 Character, Cloudy			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)					.63 0	0.7 0.3	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	E	N	NE	NE	NE
Wind movement	10	9	10	9	10	10	12	14	15	15	14	15	17	16	16	13	8	4	6	7	6	15	16	12
Maximum velocities (exceeding 24 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

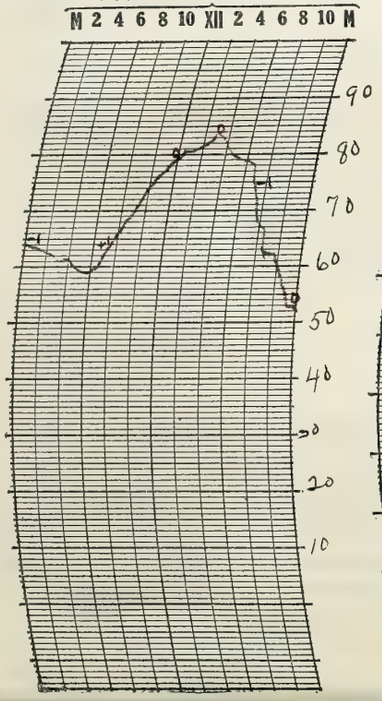
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
84	52	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0.3 ins.
Total precipitation, midnight to midnight, 0.28 inches.
Character of day, Pt Cldy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 10.7 Possible sunshine, hours, 14.5
Per cent of possible sunshine, 70
Prevailing wind direction, SW Total wind, 279
Average hourly velocity, 11.6 Extreme velocity, 22
Maximum velocity, 20 Direction, SW
Time began, 2:15 P
Reduced barometer, 29.83 7 a. m. 29.69 7 p. m.
River gage, +0.9 feet
Relative humidity, 60 7 a. m. 71 7 p. m.

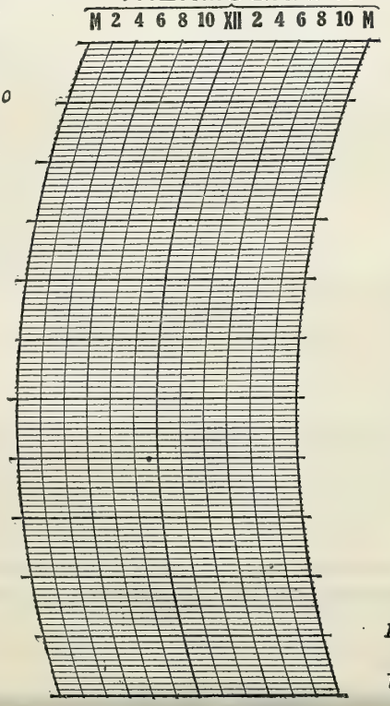
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 79.0 Wet temperature, 64.5
Dew-point, 56 R. humidity, 45 V. pressure, .448
Clouds: Amount, 4; Kind, Cu St; Direction, W
Velocity of clouds (miles per hour)

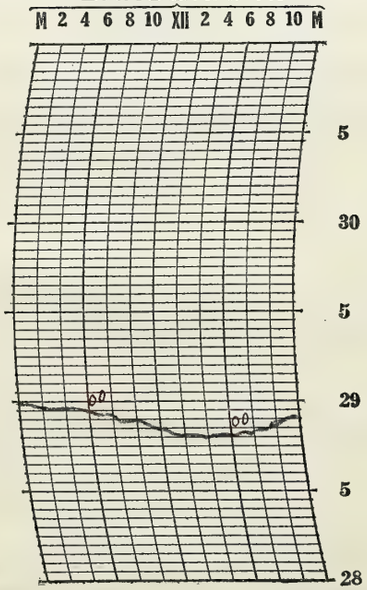
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

A warm part cloudy day.
Fog lying conditions good until 6:00 P.M.
First thunderstorm of the season occurred during the evening
Trace of hail fell during thunderstorm but did no damage

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAY 17 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	50	49	48	47	46	46	48	49	54	57	59	62	64	64	65	64	63	62	60	56	53	52	50	49
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Cldy		×							Clear							→		
Sunshine (in tenths of hours)					0	0	0	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4						
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	E	NE	NE	NE	E	E	E	E	E	E	E	E
Wind movement	11	12	10	9	9	12	10	12	10	11	13	12	12	14	14	12	12	10	9	11	12	10	9	10
Maximum velocities (exceeding ___ miles) direction and time																								

Sunrise: Time, 4:21 Character, Cloudy
Moonrise:
Sunset: Time, 6:53 Character, Cloudy
Moonset:

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

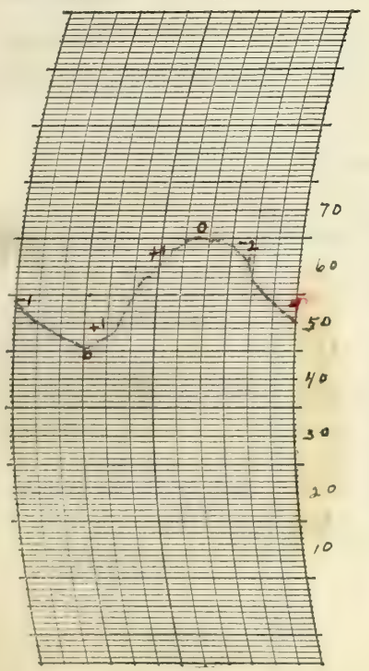
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
65	45	55	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.25 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 9.5 Possible sunshine, hours, 14.5
Per cent of possible sunshine, 66
Prevailing wind direction, NE Total wind, 266
Average hourly velocity, 11.1 Extreme velocity, 17
Maximum velocity, 16 Direction, E
Time began, 1:33P
Reduced barometer, 29.92 7a. m. 29.93 7p. m.
River gage, +0.9 feet
Relative humidity, 72 7a. m. 44 7p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 62.4 Wet temperature, 53.9
Dew-point, 47 R. humidity, 57 V. pressure; 322
Clouds: Amount, few; Kind, cu; Direction, E
Velocity of clouds (miles per hour)

THERMOGRAPH



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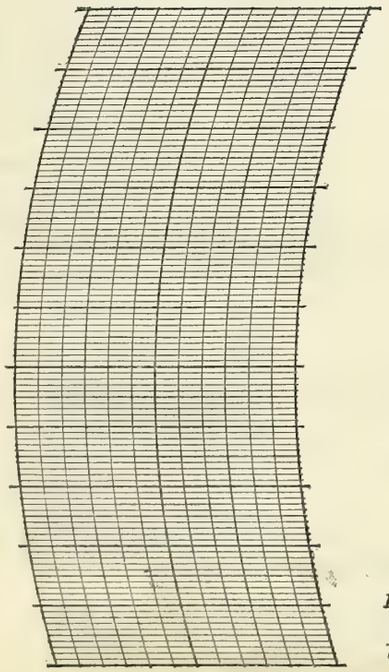
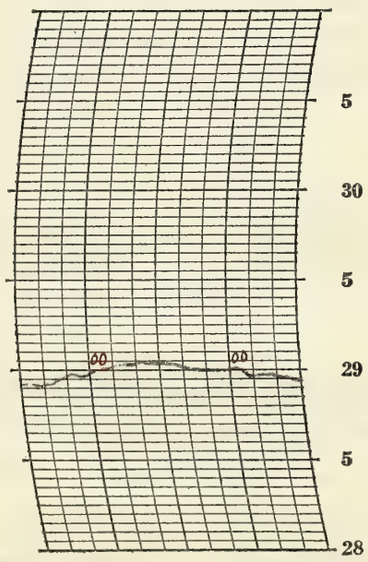


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H

8—486

NOTES

a clear day 7 lying conditions excellent.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAY 18 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	49	48	49	49	50	54	64	71	75	78	82	83	85	86	85	82	80	79	77	74	71	69	69	68
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Cldy		X				Clear				X	Pcldy	X	Cloudy →					
Sunshine (in tenths of hours)					.67 0	1.0 0	0.1 0.2	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.2	0	0					
Wind direction	E	SE	SE	SE	SE	SE	S	S	SW	SW	S	S	S	S	S	S	SW	SW	S	S	S	S	S	S
Wind movement	5	6	4	3	3	3	9	10	13	10	11	14	16	18	21	17	16	14	9	8	6	8	10	8
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4:20 Character, Clear
Moonrise:
Sunset: Time, 6:54 Character, Cloudy
Moonset:

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

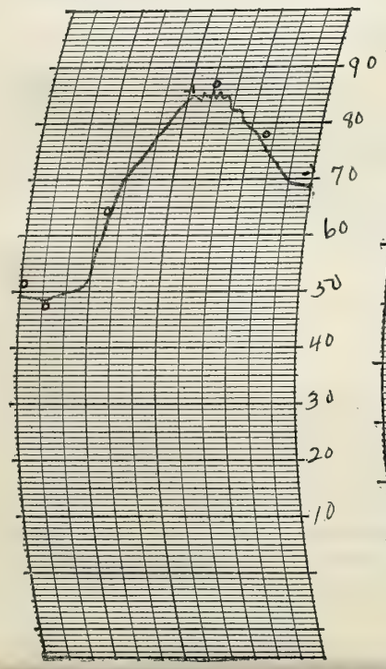
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
86	48	67	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cldy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 10.5 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 72
Prevailing wind direction, S Total wind, 242
Average hourly velocity, 10.1 Extreme velocity, 25
Maximum velocity, 23 Direction, SW
Time began, 2:46 P
Reduced barometer, 29.79 7 a. m. 29.70 7 p. m.
River gage, +0.8 feet
Relative humidity, 84 7 a. m. 41 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 83.2 Wet temperature, 68.2
Dew-point, 60 R. humidity, 47 V. pressure, .517
Clouds: Amount, 1; Kind, a cu; Direction, S
Velocity of clouds (miles per hour)

THERMOGRAPH



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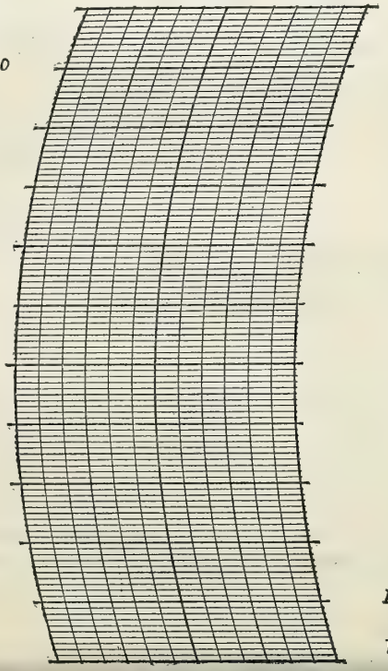
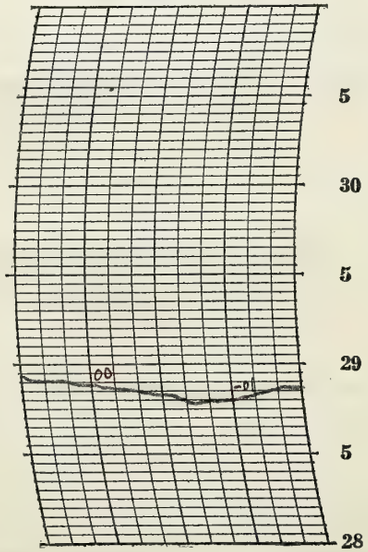


BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.H

8—486

NOTES

a part cloudy day. 7 lying conditions good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAY 19 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	68	67	64	64	62	62	67	67	70	73	74	75
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Cloudy			— X —	Partly	Cloudy
Sunshine (in tenths of hours)					.68 0	1.0 0	0.2 0.4	0	0.3	1.0	1.0	0.5
Wind direction	S	S	S	S	S	S	S	S	S	S	S	S
Wind movement	11	10	9	8	8	9	11	11	16	16	19	17

Sunrise: Time, 4:19 Character, Clear
Moonrise:

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	77	74	74	71	69	68	68	64	62	62	63	61
State of weather: Nature of precipitation and time of beginning and ending		R 1:40 R 1:50	R 2:50			R 5:35		R 7:05				Rain
Amounts of precipitation		T	T	.01	.02	T		0.11	0.15	0.07	0.01	0.16
Cloudiness and other conditions												
Sunshine (in tenths of hours)	0.7	0	0	0	0	0	0					
Wind direction	S	S	S	S	S	S	S	S	S	S	S	S
Wind movement	16	16	13	11	8	5	5	13	13	9	9	11

Sunset: Time, 6:55 Character, Cloudy
Moonset:

Maximum velocities (exceeding ___ miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

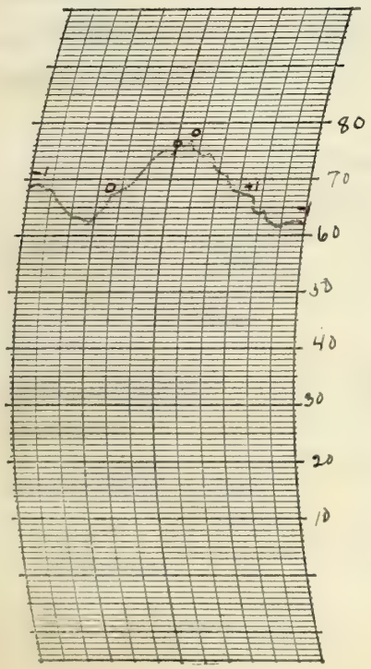
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
77	61	69	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0.53 ins.
Total precipitation, midnight to midnight, 0.53 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 5.8 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 40
Prevailing wind direction, S Total wind, 274
Average hourly velocity, 11.4 Extreme velocity, 23
Maximum velocity, 23 Direction, S
Time began, 10:15 A
Reduced barometer, 29.80 7 a. m. 29.69 7 p. m.
River gage, +0.7 feet
Relative humidity, 65 7 a. m. 85 7 p. m.

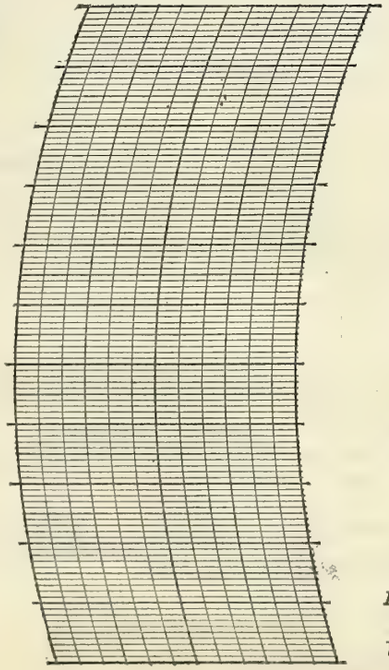
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 74.8 Wet temperature, 62.3
Dew-point, 55 R. humidity, 50 V. pressure, 432
Clouds: Amount, 10; Kind, Strat; Direction, S
Velocity of clouds (miles per hour)

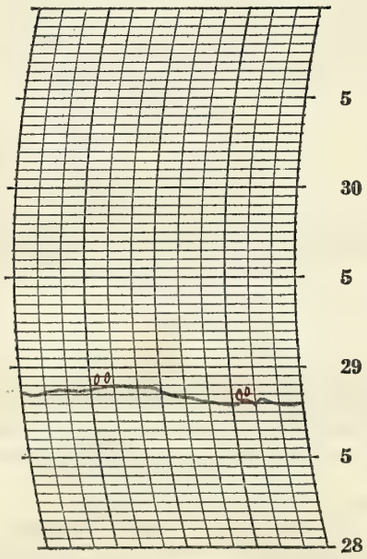
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.
Verified by E.L.H.

8—486

NOTES

a cloudy day. Fog lying conditions lain until 7:00 P.M. Heavy rains during night were very beneficial to all growing crops.
Light frost warning received and issued.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAY 20 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	59	53	53	51	51	53	54	57	58	59	63
Nature of precipitation and time of beginning and ending	Rain		RE D.N.A									
Amounts of precipitation	.02	.06	.02									
Cloudiness and other conditions						←					Cloudy	
Sunshine (in tenths of hours)					0	0	0	0.4	0.1	0	0.6	0.9
Wind direction	SW	SW	W	W	W	W	W	W	W	SW	SW	SW
Wind movement	5	6	8	9	10	8	10	8	8	8	10	9

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	62	61	61	60	57	54	51	49	48	47	46
Nature of precipitation and time of beginning and ending		RB 1:06 RE 1:10										
Amounts of precipitation		T										
Cloudiness and other conditions		→	X	Pt Cldy	→	X	Clear	→				
Sunshine (in tenths of hours)	0.6	0	0.5	1.0	0.6	0.4	0					
Wind direction	SW	SW	SW	SW	SW	W	W	W	W	W	W	W
Wind movement	11	12	14	13	14	12	10	10	8	6	8	6

Sunrise: Time, 4:18 Character, Cloudy
Moonrise:
Sunset: Time, 6:56 Character, Cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

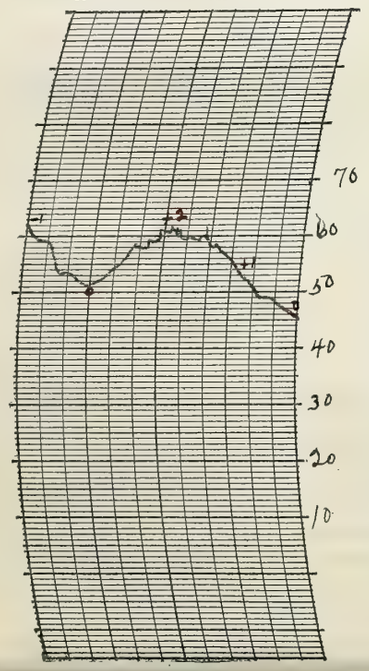
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
63	46	54	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.60 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 0.10 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 5.1 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 35
Prevailing wind direction, W Total wind, 223
Average hourly velocity, 9.3 Extreme velocity, 18
Maximum velocity, 17 Direction, SW
Time began, 2:55 P
Reduced barometer, 29.84 a. m. 30.03 p. m.
River gage, +0.8 feet
Relative humidity, 88 a. m. 55 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 63.0 Wet temperature, 55.2
Dew-point, 49 R. humidity, 61 V. pressure, .347
Clouds: Amount, 8; Kind, a cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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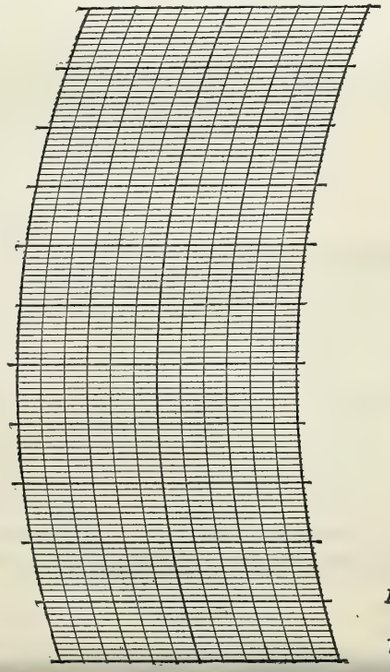
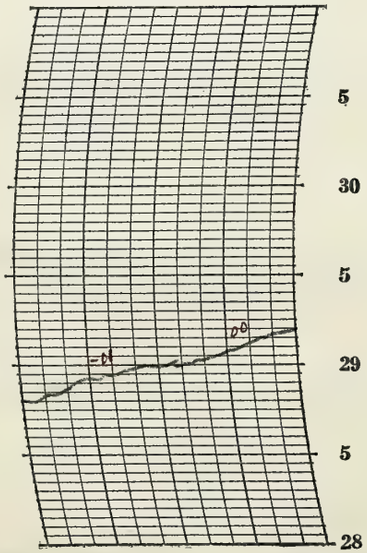


BAROGRAPH.



Prepared by L.C.S

Verified by E.L.H

NOTES

7 rest warnings received and issued.
a Cloudy day. 7 flying conditions Good

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAY 21 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	44	43	42	42	41	42	46	50	53	55	55	56	57	58	60	58	59	58	56	52	51	50	49	48
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←		Clear				→ Partly		→ Clear				→ Clay		→				
Sunshine (in tenths of hours)					.70 0	1.0 0	0.3 0.7	1.0	1.0	0.9	0.8	1.0	1.0	1.0	1.0	1.0	0.9	0.6 0.2	.95 0					
Wind direction	W	W	W	SW	SW	S	S	SW	SW	SW	SW	SW	W	SW	SW	W	W	W	W	NW	NW	N	N	NE
Wind movement	7	6	6	5	7	7	6	8	10	14	14	14	15	14	13	13	11	10	8	7	6	5	5	6
Maximum velocities (exceeding 35 miles) direction and time																								

Sunrise: Time, 4:18 Character, Clear
Moonrise:
Sunset: Time, 6:57 Character, Clear
Moonset:

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

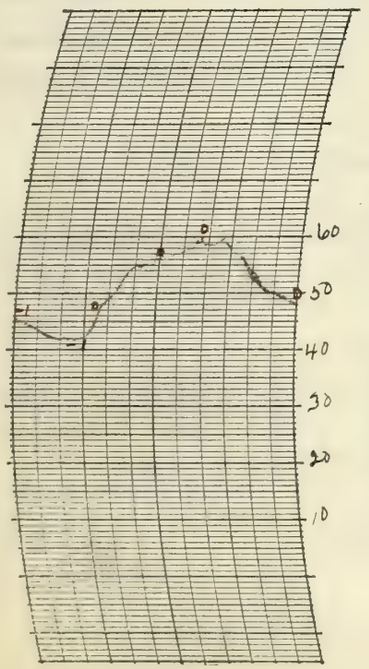
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
60	41	50	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 14.0 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 96
Prevailing wind direction, SW Total wind, 217
Average hourly velocity, 9.0 Extreme velocity, 18
Maximum velocity, 18 Direction, SW
Time began, 9:23 A.
Reduced barometer, 30.18 7 a. m. 30.23 7 p. m
River gage, +0.8 feet
Relative humidity, 81 7 a. m. 38 7 p. m.

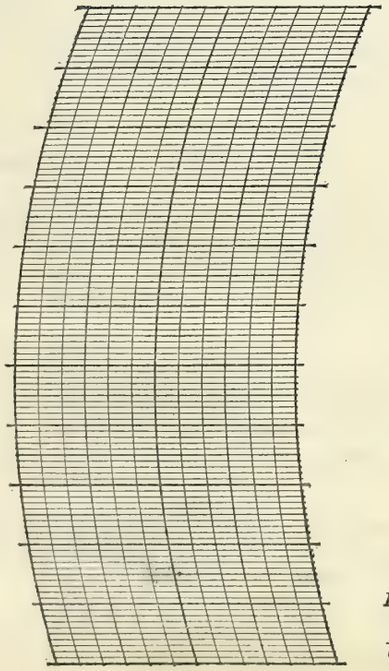
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 56.4 Wet temperature, 46.4
Dew-point, 35 R. humidity, 45 V. pressure, 203
Clouds: Amount, 4; Kind, cu; Direction, NW
Velocity of clouds (miles per hour)

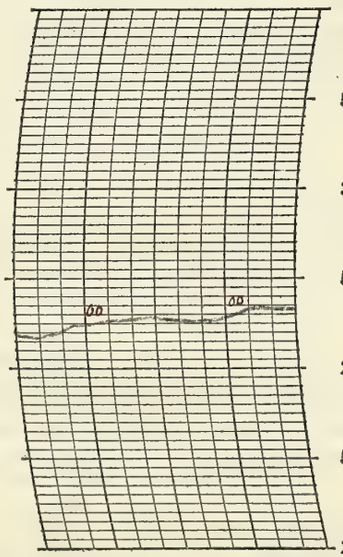
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by E.H.H

8—486

NOTES

7 not Warning received and issued.
a Clear day; flying conditions good

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) MAY 22 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	47	46	46	46	45	45	46	46	46	48	48	50
							R^B 6:30				R^E 10:55	
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation							T	.01	T	T	T	
Cloudiness and other conditions												
Sunrise: Time, Character,	4:17 Cloudy											
Moonrise:												
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0.3
Wind direction	NE	NE	NE	NE	NE	NE	E	E	E	E	E	NE
Wind movement	5	6	4	4	5	5	4	7	5	4	6	7

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	50	50	50	51	50	49	49	48	47	46	45	44
									R^B 8:05 R^E 8:15			
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation									T			
Cloudiness and other conditions												
Sunset: Time, Character,									6:58 Cloudy			
Moonset:												
Sunshine (in tenths of hours)	0	0	0	0	0	0	0					
Wind direction	N	N	N	N	N	N	N	N	N	NW	NW	NW
Wind movement	8	9	7	6	8	9	8	7	5	6	10	9

Cloudy

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

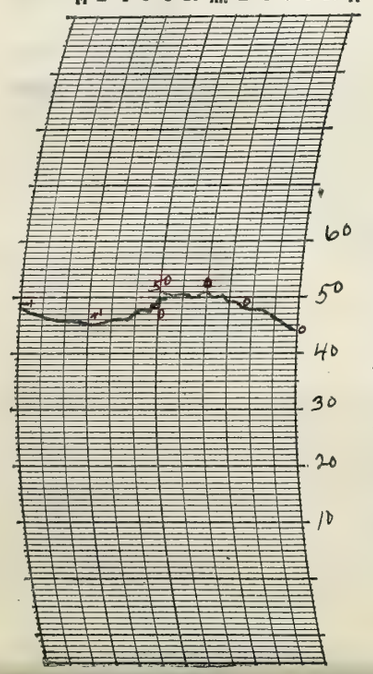
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
51	44	48	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.3 Possible sunshine, hours, 14.7
Per cent of possible sunshine, 2
Prevailing wind direction, N Total wind, 154
Average hourly velocity, 6.4 Extreme velocity, 13
Maximum velocity, 13 Direction, N
Time began, 5:38P
Reduced barometer, 30.30 7 a. m. 30.20 7 p. m.
River gage, +0.8 feet
Relative humidity, 79 7 a. m. 67 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 50.0 Wet temperature, 44.5
Dew-point, 39 R. humidity, 65 V. pressure, .237
Clouds: Amount, 10; Kind, Stu; Direction, NE
Velocity of clouds (miles per hour)

THERMOGRAPH



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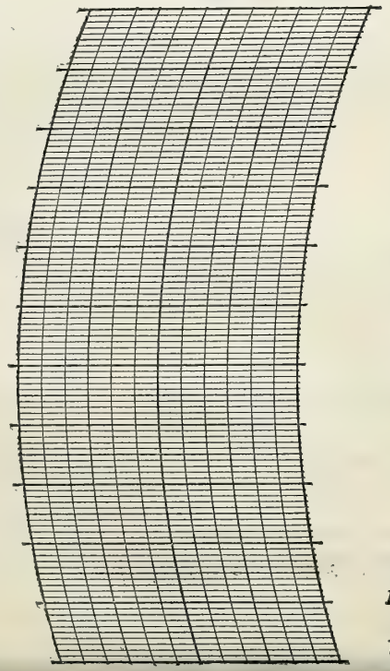
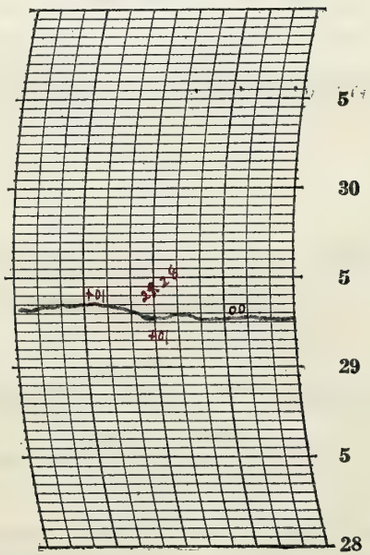


BAROGRAPH.



Prepared by I.C.S.

Verified by E.L.H

8—486

NOTES

7 lying conditions good
Day was cloudy and cool

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAY 23 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	43	43	42	41	42	44	47	48	48	50	52
State of weather: Nature of precipitation and time of beginning and ending	RG DRA RE DNA											
Amounts of precipitation	T											
Cloudiness and other conditions						← clear		×			Pt cloudy	
Sunshine (in tenths of hours)					.73 0	1.0 0	0.1 0.9	0.8	0.6	0.2	0.3	0.7
Wind direction	NW	NW	N	N	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	8	9	8	7	6	7	10	12	13	15	16	16

Sunrise: Time, 4:16 Character, Clear

Moonrise:

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	53	54	54	55	53	52	50	46	45	43	42	40
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				×		Clear				→		
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.5 0.5	.98 b					
Wind direction	NW	NW	NW	NW	NW	NW	NW	W	W	W	W	W
Wind movement	17	17	18	17	14	13	9	6	7	6	6	3

Sunset: Time, 6:59 Character, Clear

Moonset:

Maximum velocities (exceeding 34 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
55	40	48	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Pt Cldy Moon phase,

Average daily cloudiness (0-10), 4

Actual sunshine, hours, 12.3 Possible sunshine, hours, 14.7

Per cent of possible sunshine, 84

Prevailing wind direction, NW Total wind, 260

Average hourly velocity, 10.8 Extreme velocity, 23

Maximum velocity, 22 Direction, NW

Time began, 2:16 P

Reduced barometer, 30.25 7 a. m. 30.20 7 p. m

River gage, +0.7 feet

Relative humidity, 74 7 a. m. 50 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

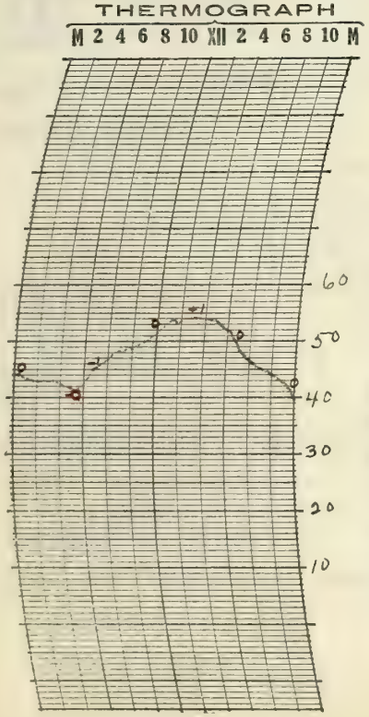
Dry temperature, 52.0 Wet temperature, 44.0

Dew-point, 35 R. humidity, 52 V. pressure, 203

Clouds: Amount, 6; Kind, Cu; Direction, N

Velocity of clouds (miles per hour)

THERMOGRAPH



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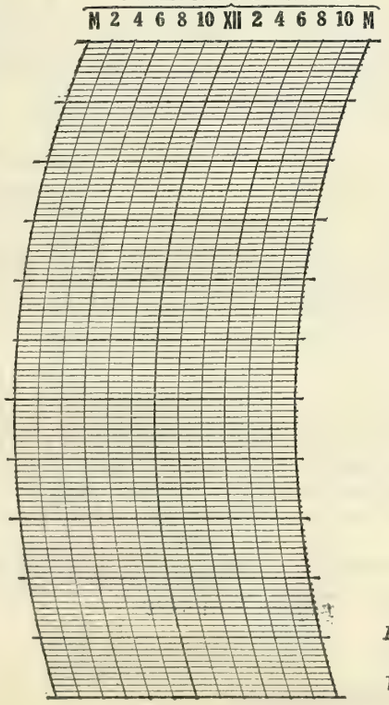
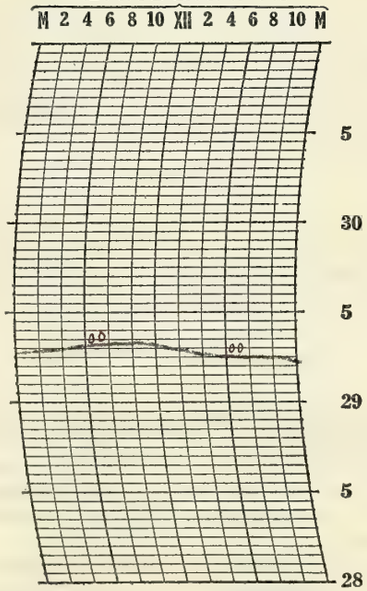


BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.H

8—486

NOTES

7 no warning received and issued. a part cloudy day. 7 lying conditions fair.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAY 24 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	38	38	38	37	36	40	44	50	55	55	56	60	62	66	65	66	66	64	64	63	62	62	61	61
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions				←		Clear		×				Cloudy									→			
Sunrise: Time, Character,	4:15 Clear																							
Moonrise:																								
Sunset: Time, Character,																					7:00 Cloudy			
Moonset:																								
Sunshine (in tenths of hours)					.75 0	1.0 0	0.9 0.1	1.0	0.3	0	0	0.2	0.4	1.0	0	0	0.2	0	0					
Wind direction	W	W	W	W	W	SW	SW	SW	SW	SW	SW	S	S	S	SW	S	S	SW	SW	SW	SW	SW	SW	SW
Wind movement	4	6	3	4	4	4	4	6	7	9	9	12	15	16	15	14	18	15	8	11	10	10	12	10
Maximum velocities (exceeding 24 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

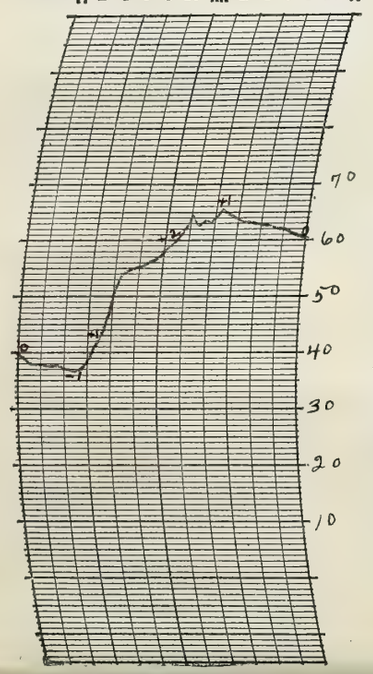
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
67	36	52	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 5.8 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 39
Prevailing wind direction, SW Total wind, 226
Average hourly velocity, 9.4 Extreme velocity, 23
Maximum velocity, 23 Direction, S
Time began, 4:17 P
Reduced barometer, 30.10 7 a. m. 29.73 7 p. m.
River gage, +0.7 feet
Relative humidity, 72 7 a. m. 48 7 p. m.

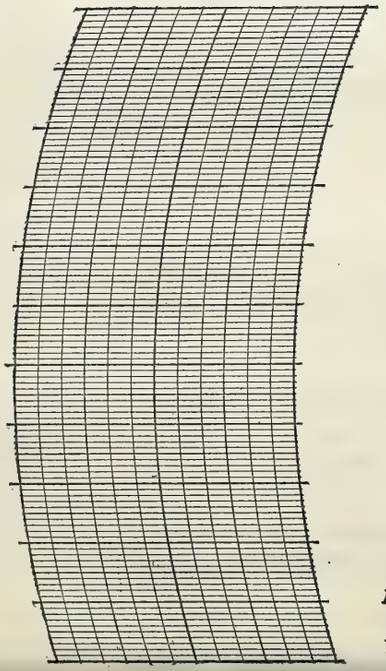
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 59.8 Wet temperature, 49.3
Dew-point, 39 R. humidity, 46 V. pressure, .237
Clouds: Amount, 4 6; Kind, Cu Ast; Direction, W
Velocity of clouds (miles per hour)

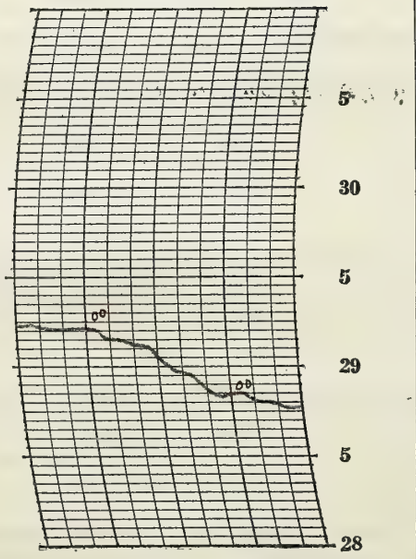
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by I. C. S

Verified by E. L. H.

8—486

NOTES

Sun shone through high clouds at times during the afternoon.
a cloudy, cold windy day
Heavy white frost occurred in early morning, forming about 3 00 A.M.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAY 25 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	60	57	57	57	57	59	62	65	69	71	73	73	73	74	72	70	68	64	62	58	55	53	52	50
State of weather: Nature of precipitation and time of beginning and ending	RO DNA	RE DNA																						
Amounts of precipitation	.01	.01																						
Cloudiness and other conditions							←						Clear								→			
Sunrise: Time, Character,	4:15 Clear																				Sunset: Time, Character,	7:01 Clear		
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)					.75 0	1.0 0	0.3 0.7	0.7	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3 0.7	1.0 0	.02 0				
Wind direction	SW	SW	SW	SW	SW	SW	W	W	NW	NW	NW	NW	W	NW	W	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	10	10	10	8	7	8	7	9	8	8	7	11	13	13	16	16	16	17	13	10	7	6	3	4
Maximum velocities (exceeding 24 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

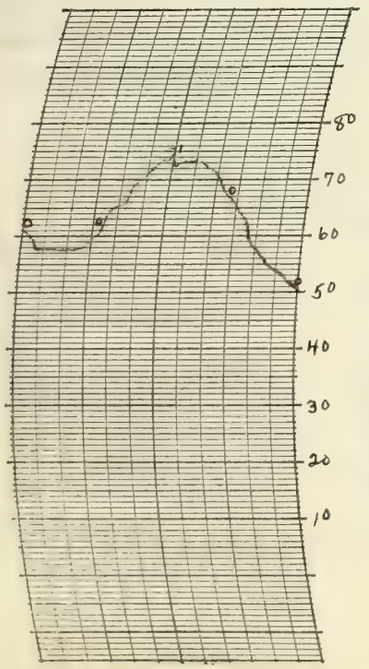
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
74	50	62	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .02 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 14.0 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 95
Prevailing wind direction, NW Total wind, 237
Average hourly velocity, 9.9 Extreme velocity, 22
Maximum velocity, 20 Direction, NW
Time began, 5:32 P
Reduced barometer, 29.66 a. m. 29.90 p. m.
River gage, +0.7 feet
Relative humidity, 81 a. m. 53 p. m.

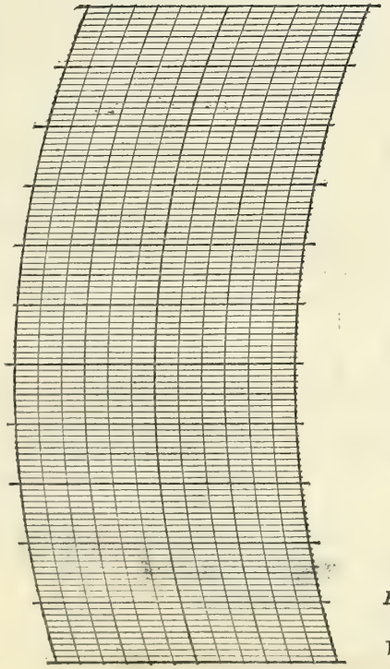
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 73.0 Wet temperature, 58.5
Dew-point, 48 R. humidity, 41 V. pressure, .334
Clouds: Amount, 4; Kind, acu; Direction, W
Velocity of clouds (miles per hour)

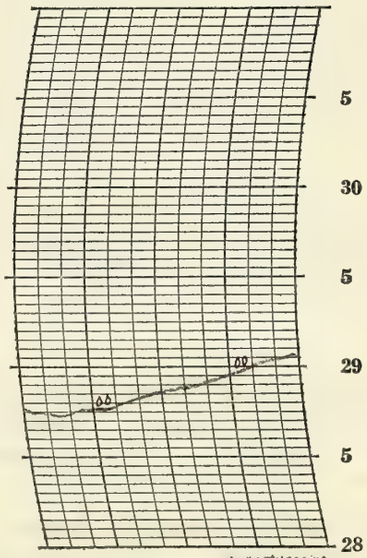
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

a Clear day. 7 lying conditions excellent.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAY 26 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	49	48	47	47	46	50	56	62	64	67	68	69	76	75	74	74	73	72	71	67	65	63	59	58
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←						Clear								→				
Sunshine (in tenths of hours)					.77 0	1.0 0	0.4 0.6	1.0	1.0	1.0	1.0	0.8	1.0	1.0	1.0	1.0	1.0	0.4 0.5	1.0 0	0.3 0				
Wind direction	NW	NW	NW	NW	N	N	N	N	NE	NE	NE	NE	NE	N	E	E	NE	NE	NE	E	E	E	E	E
Wind movement	5	5	4	5	6	5	5	5	5	6	6	4	4	5	5	5	5	4	5	4	5	4	6	6

Sunrise: Time, 4:14; Character, Clear. Moonrise:

Sunset: Time, 7:02; Character, Clear. Moonset:

Maximum velocities (exceeding 24 miles) direction and time

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
76	46	61	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 2

Actual sunshine, hours, 14.5 Possible sunshine, hours, 14.8

Per cent of possible sunshine, 98

Prevailing wind direction, NE Total wind, 119

Average hourly velocity, 5.0 Extreme velocity, 8

Maximum velocity, 8 Direction, E

Time began, 9:22 A.

Reduced barometer, 30.12 7 a. m. 30.12 7 p. m.

River gage, +0.6 feet

Relative humidity, 71 7 a. m. 41 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

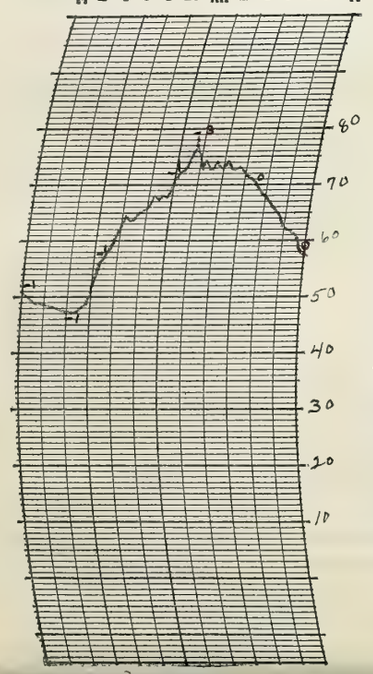
Dry temperature, 68.9 Wet temperature, 58.0

Dew-point, 50 R. humidity, 51 V. pressure, 36.0

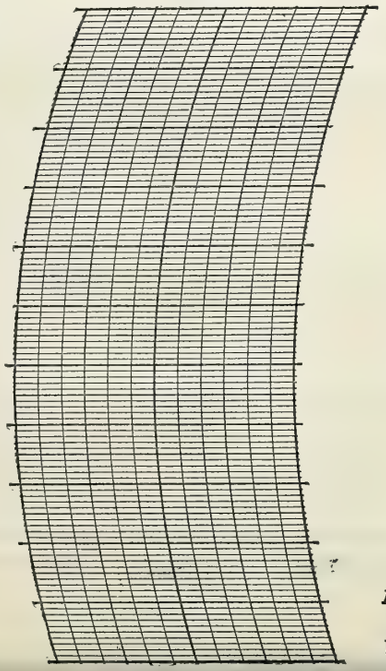
Clouds: Amount, 3; Kind, a cu; Direction, E

Velocity of clouds (miles per hour)

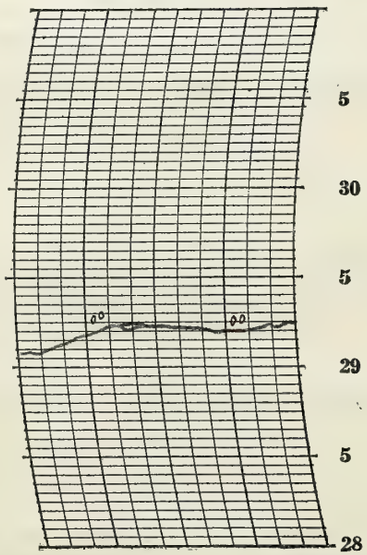
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by I.C.S

Verified by E.L.H

8—486

NOTES

a clear day. 7 flying conditions excellent.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAY 27 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	57	55	54	52	52	55	60	66	70	72	75	76	78	80	82	81	81	80	78	74	71	68	67	66
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions													Clear											
Sunrise: Time, 4:13 Character, Clear																					Sunset: Time, 7:03 Character, Clear			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)					.78 0	0.6 0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2 0.8	1.0 0	.05 0				
Wind direction	E	E	E	SE	E	E	SE	SE	SE	SE	SE	SE	SE	SE	SE	S	S	S	SE	SE	SE	SE	S	SE
Wind movement	7	5	4	2	4	5	8	10	9	9	8	10	10	10	11	11	9	7	6	7	8	8	8	8
Maximum velocities (exceeding 24 miles) direction and time																								

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
82	52	67	

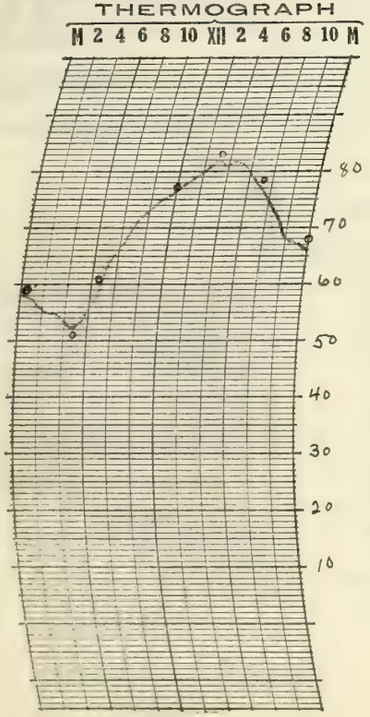
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 14.6 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 99
Prevailing wind direction, SE Total wind, 184
Average hourly velocity, 7.7 Extreme velocity, 14
Maximum velocity, 14 Direction, S
Time began, 3:18 P
Reduced barometer, 30.22 7 a. m. 30.12 7 p. m.
River gage, -1.0 feet
Relative humidity, 58 7 a. m. 32 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

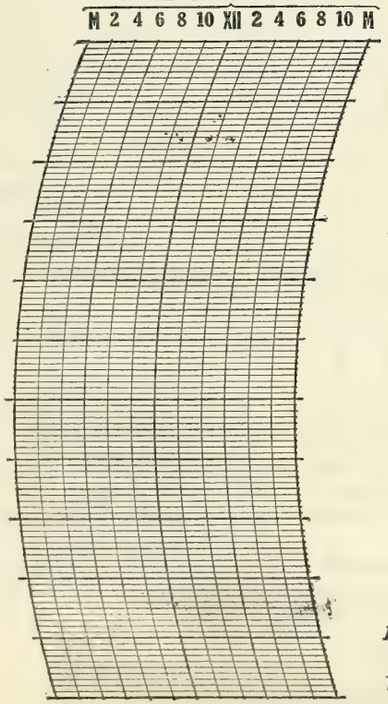
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 76.0 Wet temperature, 58.5
Dew-point, 45 R. humidity, 34 V. pressure, .298
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

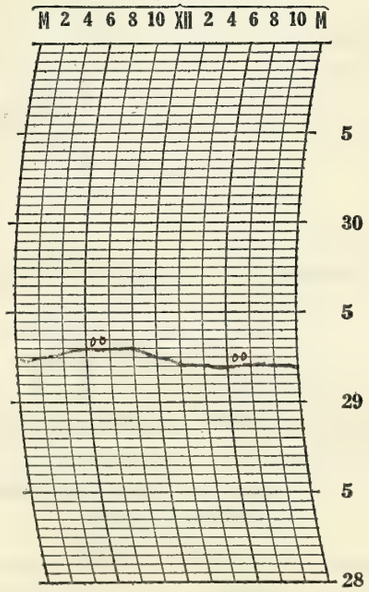
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

Rollers put down afternoon of May 26, 1931.
a Clear day. Flying conditions excellent.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

MAY 28 1931

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) _____, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	63	63	62	62	64	69	76	80	84	86	86	86	87	87	87	86	85	83	79	76	74	72	70
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←	Clear	X					Pt Clay							→				
Sunshine (in tenths of hours)					.78 0	0.4 0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.4	0.3	0	0				
Wind direction	S	S	S	S	S	S	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	S	S	S	S	S	S	S
Wind movement	7	5	5	5	4	6	6	6	7	10	10	13	11	12	11	10	10	9	7	7	6	6	7	7

Sunrise: Time, 4:13 Character, Clear
Moonrise: _____
Sunset: Time, 7:03 Character, Cloudy
Moonset: _____

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

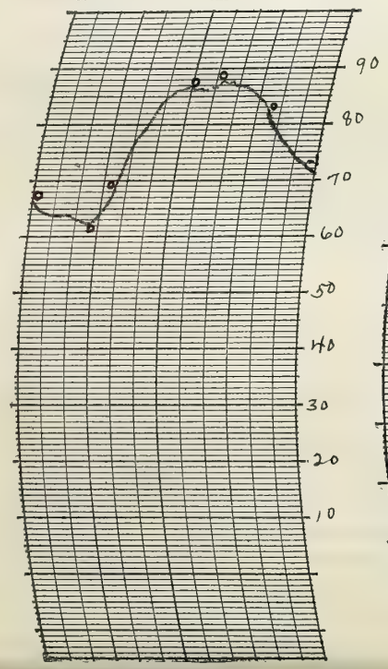
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
88	62	75	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Clay Moon phase, _____
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 12.3 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 83
Prevailing wind direction, S Total wind, 187
Average hourly velocity, 7.8 Extreme velocity, 16
Maximum velocity, 15 Direction, SW
Time began, 11:00 A
Reduced barometer, 30.14 7 a. m. 30.07 7 p. m.
River gage, +0.1 feet
Relative humidity, 56 7 a. m. 50 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 86.0 Wet temperature, 69.5
Dew-point, 61 R. humidity, 44 V. pressure, .536
Clouds: Amount, 7; Kind, Cu St; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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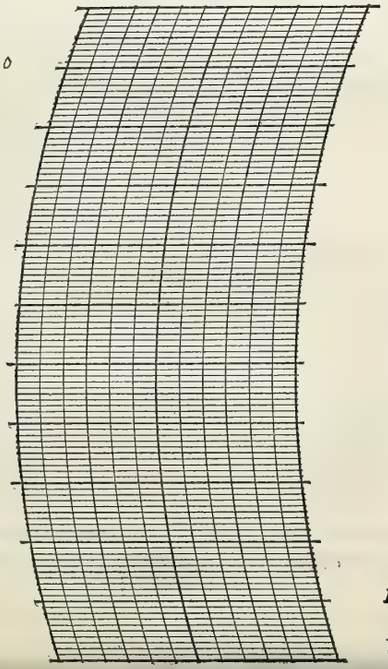
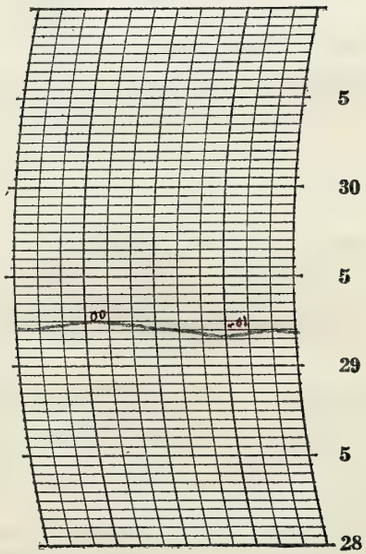


BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.H.

8—486

NOTES

a fair cloudy sultry day - flying conditions excellent.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Friday, (Date) MAY 29 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	69	69	68	68	68	69	73	74	77	78	79	81	83	82	82	80	79	78	77	75	73	70	69	68
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions													Cloudy											
Sunrise: Time, 4:12 Character, Clear																					Sunset: Time, 7:04 Character, Cloudy			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)					.80 0	0.9 0.1	0.6	0.3	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0	0	0	0	0				
Wind direction	S	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S	SW	N	N	NW
Wind movement	8	8	8	7	8	6	8	9	8	7	6	6	9	9	11	7	6	5	5	6	5	6	4	6
Maximum velocities (exceeding 24 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

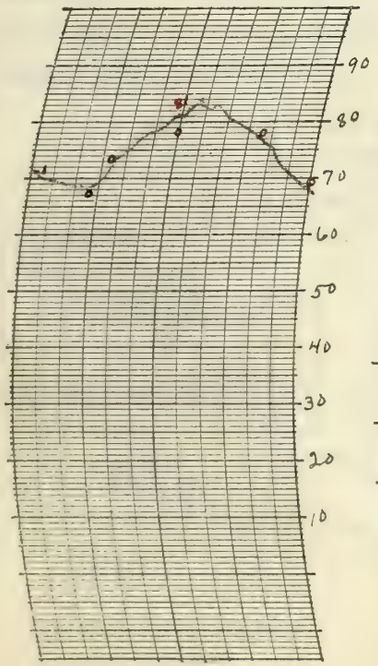
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
83	68	76	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 9.5 Possible sunshine, hours, 14.9
Per cent of possible sunshine, 64
Prevailing wind direction, SW Total wind, 168
Average hourly velocity, 7.0 Extreme velocity, 14
Maximum velocity, 14 Direction, SW
Time began, 2:27 P
Reduced barometer, 30.08 7 a. m. 30.03 7 p. m.
River gage, +0.1 feet
Relative humidity, 70 7 a. m. 58 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 81.0 Wet temperature, 68.5
Dew-point, 62 R. humidity, 53 V. pressure, .355
Clouds: Amount, 8; Kind, Ci St; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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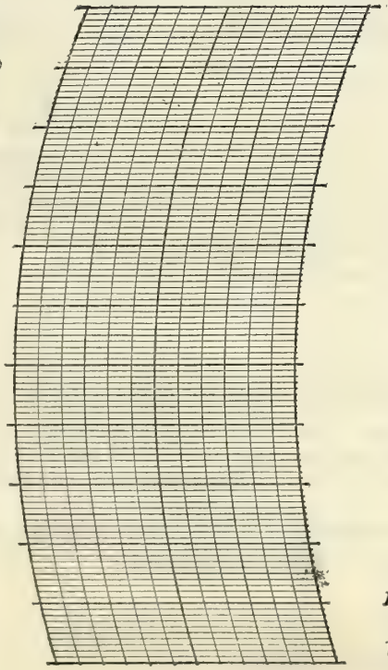
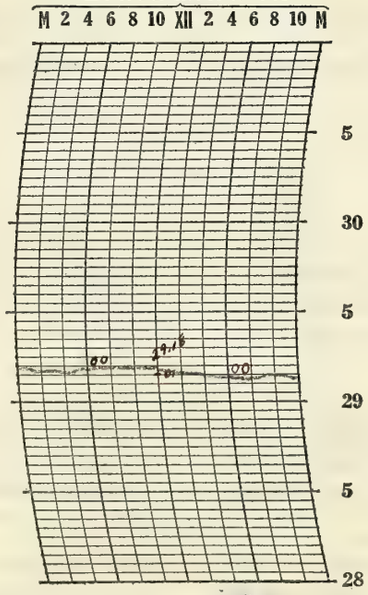


BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.H.

8—486

NOTES

Cloudy day. Flying conditions good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAY 30 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	67	66	65	64	64	64	64	64	64	64	65	65	65	66	66	65	59	57	57	55	55	55	54
State of weather: Nature of precipitation and time of beginning and ending						RB 5:20															RE 10 NP			
Amounts of precipitation						T	01	02	01	03	02	T	T	T	T	T	T	03	03	06	02			
Cloudiness and other conditions											Cloudy													
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Wind direction	N	N	N	N	W	W	SW	SW	SW	SW	S	S	S	SW	SW	SW	SW	NW	N	N	NW	NW	NW	NW
Wind movement	3	2	1	2	3	3	3	3	2	6	8	11	11	13	10	10	7	9	9	8	10	7	6	6
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4:12 Character, Cloudy
Moonrise:
Sunset: Time, 7:05 Character, Cloudy
Moonset:

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
68	54	61	

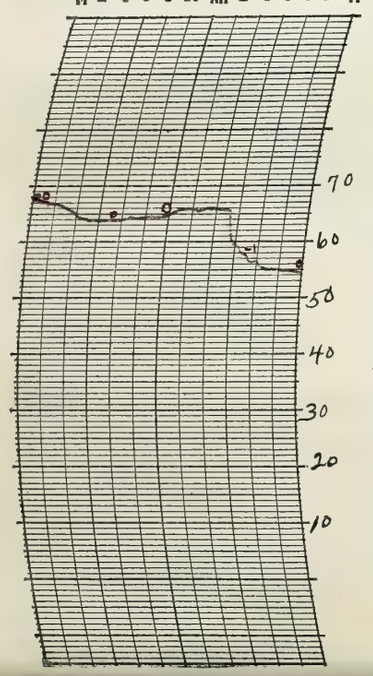
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 01 ins.; to 7 p. m., 0.13 ins.
Total precipitation, midnight to midnight, 0.23 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 14.9
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind, 153
Average hourly velocity, 6.4 Extreme velocity, 18
Maximum velocity, 16 Direction, SW
Time began, 1:31 P
Reduced barometer, 30.00 7 a. m. 29.85 7 p. m.
River gage, +0.3 feet
Relative humidity, 92 7 a. m. 93 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 65.0 Wet temperature, 62.5
Dew-point, 61 R. humidity, 87 V. pressure, .536
Clouds: Amount, 6; Kind, St. Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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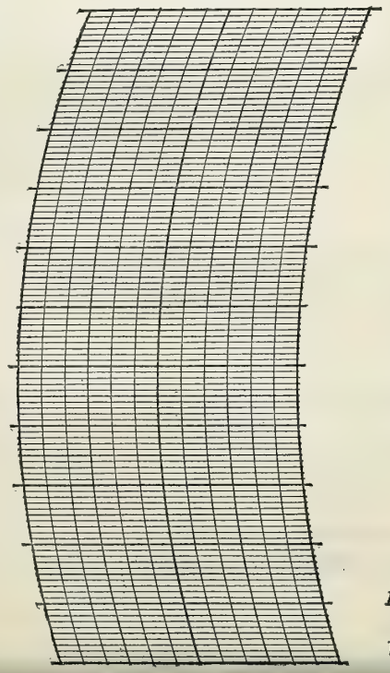
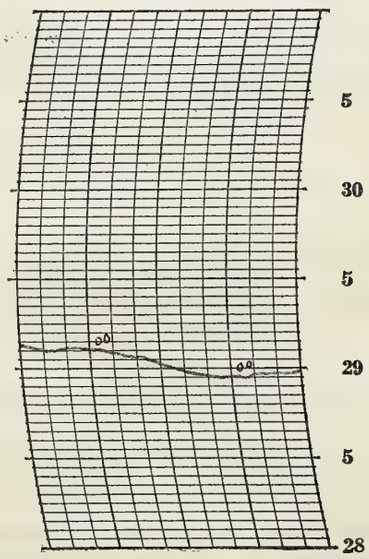


BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.H.

NOTES

A Cloudy rainy day. Fog lying conditions from streets wet and slippery most of day and at night. Visibility poor at night.

2—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAY 31 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	54	54	54	54	53	52	53	55	58	60	61	62	63	63	64	64	64	63	61	56	53	51	50	48
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Partly					Clear			→ Partly			→ Clear			→				
Sunshine (in tenths of hours)					0	0	0.2	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0 / 0	1.0 / 0				
Wind direction	NW	NW	NW	NW	NW	N	N	N	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	4	7	8	8	8	9	10	12	13	15	12	13	12	12	11	11	10	10	12	9	9	7	6	5
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4:11 Character, Cloudy
Moonrise:

Sunset: Time, 7:06 Character, Clear
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

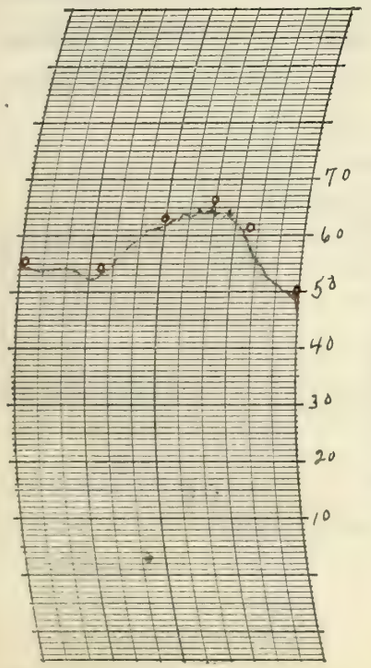
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
65	48	56	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .09 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 12.0 Possible sunshine, hours, 14.9
Per cent of possible sunshine, 81
Prevailing wind direction, NW Total wind, 233
Average hourly velocity, 9.7 Extreme velocity, 18
Maximum velocity, 18 Direction, N
Time began, 9:15 A
Reduced barometer, 29.96 7 a. m. 29.96 7 p. m
River gage, +0.3 feet
Relative humidity, 80 7 a. m. 61 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 61.6 Wet temperature, 51.5
Dew-point, 42 R. humidity, 48 V. pressure, .266
Clouds: Amount, 2; Kind, a cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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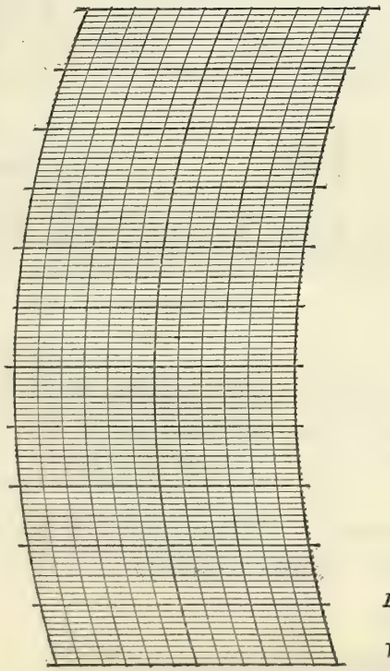
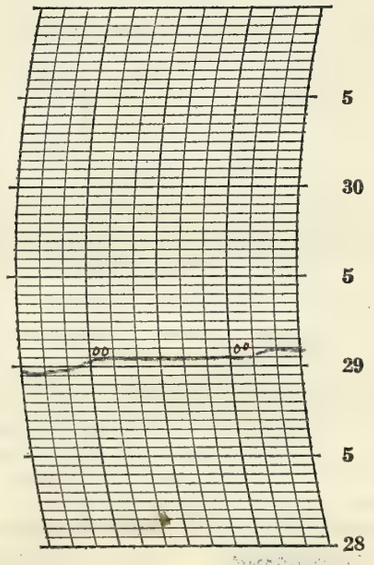


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

a clear day & lying conditions excellent

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUN 1 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	48	48	48	47	46	51	54	59	60	62	62	64	66	66	68	68	69	68	67	65	63	62	58	57
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←							Clear											→
Sunshine (in tenths of hours)					.82 0	0.6 0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3 0.7	1.0 0	.12 0				
Wind direction	NW	NW	N	N	NE	E	E	NE	NE	NE	NE	NE	N	N	N	N	N	N	NE	NE	NE	NE	SE	SE
Wind movement	5	5	4	5	5	4	6	5	8	7	7	7	5	6	6	6	6	5	3	4	4	4	5	9
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4:11 Character, Clear
Moonrise:
Sunset: Time, 7:07 Character, Clear
Moonset:

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

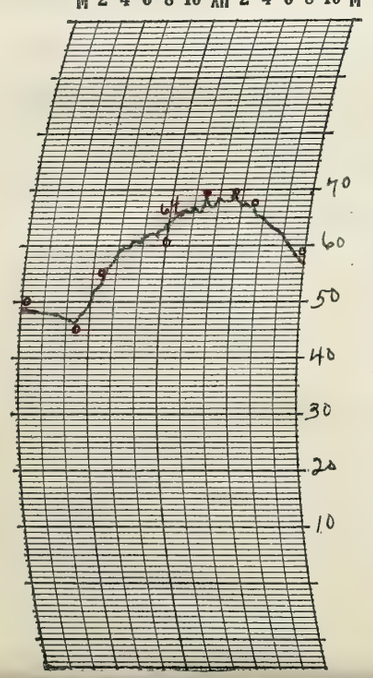
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
69	46	58	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 14.9 Possible sunshine, hours, 14.9
Per cent of possible sunshine, 100
Prevailing wind direction, NE Total wind, 131
Average hourly velocity, 5.5 Extreme velocity, 11
Maximum velocity, 11 Direction, N
Time began, 11:34 A.
Reduced barometer, 30.07 7a. m. 30.05 7p. m.
River gage, +0.3 feet
Relative humidity, 75 7a. m. 42 7p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 63.8 Wet temperature, 51.3
Dew-point, 40 R. humidity, 41 V. pressure, .247
Clouds: Amount, Few; Kind, a cu; Direction, E
Velocity of clouds (miles per hour)

THERMOGRAPH



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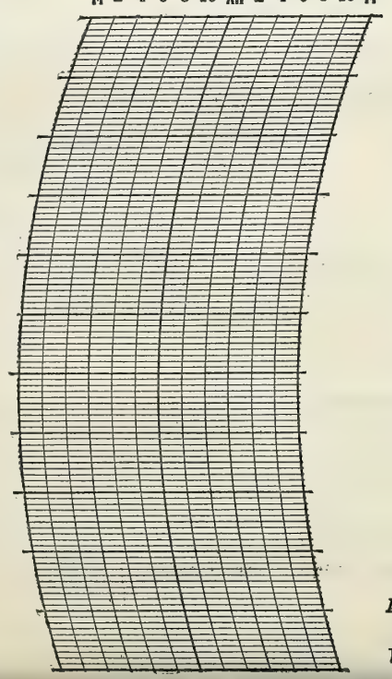
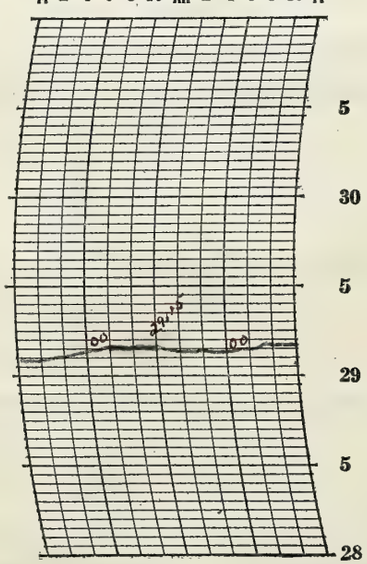


BAROGRAPH.



Prepared by L.C.S.
Verified by C.L.H.

NOTES

a Clear beautiful day. Flying conditions excellent. J

S—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUN 2 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	55	53	52	51	50	51	59	62	66	69	70	71	73	73	74	74	74	73	72	70	68	67	66	65
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear								Pt cldy				Cldy					
Sunshine (in tenths of hours)					.83 0	0.7 0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	0.2	0.2	0	0				
Wind direction	SE	SE	SE	S	S	S	S	S	S	S	SW	SW	SW	SW	SW	SW	S	S	SE	S	S	S	S	S
Wind movement	6	4	6	7	5	6	8	7	8	9	8	7	9	8	7	7	6	4	5	4	5	5	4	4
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4:10 Character, Clear
Moonrise:
Sunset: Time, 7:07 Character, Cloudy
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

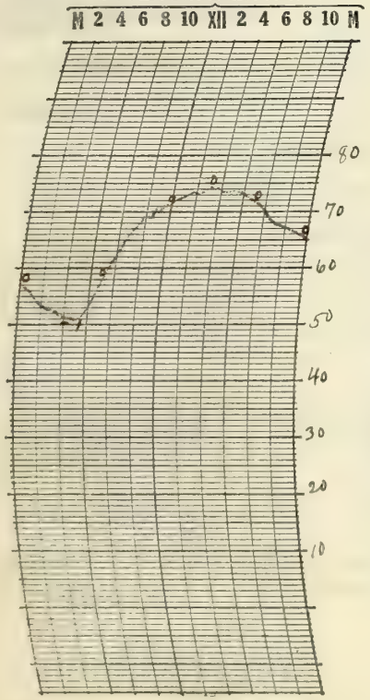
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
75	50	62	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 11.3 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 75
Prevailing wind direction, S Total wind, 149
Average hourly velocity, 6.2 Extreme velocity, 14
Maximum velocity, 14 Direction, SW
Time began, 12:52 P
Reduced barometer, 30.15 7 a. m. 30.09 7 p. m
River gage, +0.3 feet
Relative humidity, 63 7 a. m. 41 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 71.2 Wet temperature, 56.2
Dew-point, 44 R. humidity, 38 V. pressure, .287
Clouds: Amount, 2; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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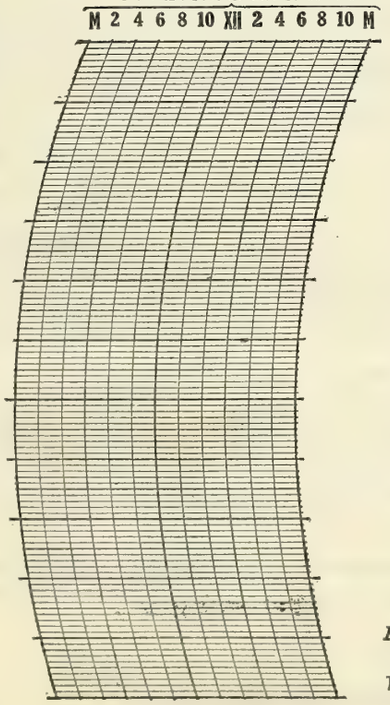
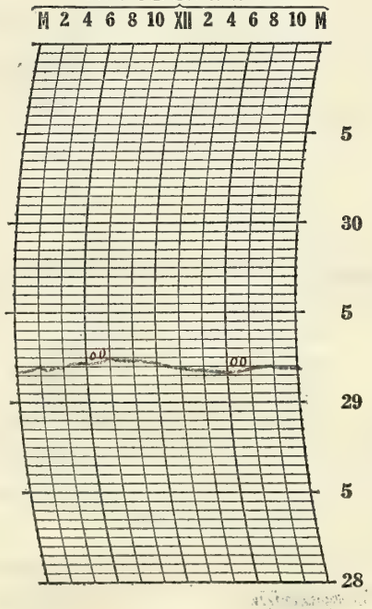


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. K.

8—486

NOTES

a Clear day. Fog lying conditions excellent

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUN 8 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	63	62	61	61	62	63	66	68	71	73	78	78	78	81	75	77	78	74	70	69	67	67	67
Nature of precipitation and time of beginning and ending	RB 10 NA RE 10 NA									RB 9:15 RE 9:25						RB 3:30	RE 4:01 RB 4:45 RE 4:50					RB 9:15		Rend
Amounts of precipitation	T									T						.01	T					.02	.01	T
Cloudiness and other conditions						Cloudy							Pt Cldy					Cloudy						
Sunrise: Time, 4:10 Character, Cloudy																					Sunset: Time, 7:08 Character, Cloudy			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)					0	0	0	0	0	0.1	0.8	1.0	1.0	0.7	0.6	0	0.4	0.1	0	0				
Wind direction	S	S	S	SW	S	SE	SE	SE	SE	SE	SE	SE	S	S	S	S	SE	S	S	E	SE	SE	SE	SE
Wind movement	4	4	5	5	3	4	8	8	8	10	12	12	11	11	13	10	9	9	7	11	11	13	11	11
Maximum velocities (exceeding 24 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

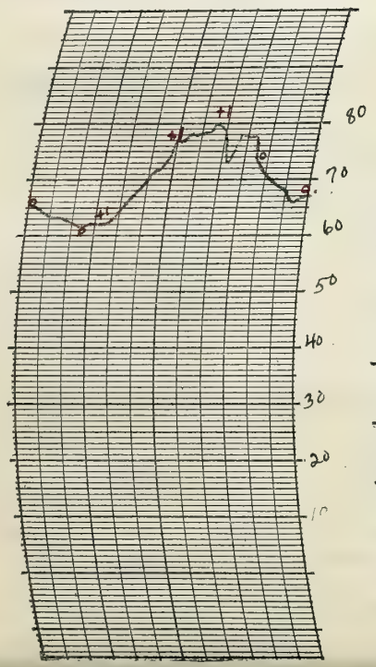
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
81	61	71	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .04 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 4.7 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 31
Prevailing wind direction, SE Total wind, 210
Average hourly velocity, 8.8 Extreme velocity, 17
Maximum velocity, 17 Direction, SW
Time began, 9:57 P
Reduced barometer, 30.14 a. m. 29.98 p. m.
River gage, +0.1 feet
Relative humidity, 70 a. m. 62 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 78.1 Wet temperature, 61.1
Dew-point, 49 R. humidity, 37 V. pressure, .347
Clouds: Amount, 4; Kind, a cu a st; Direction, S
Velocity of clouds (miles per hour)

THERMOGRAPH



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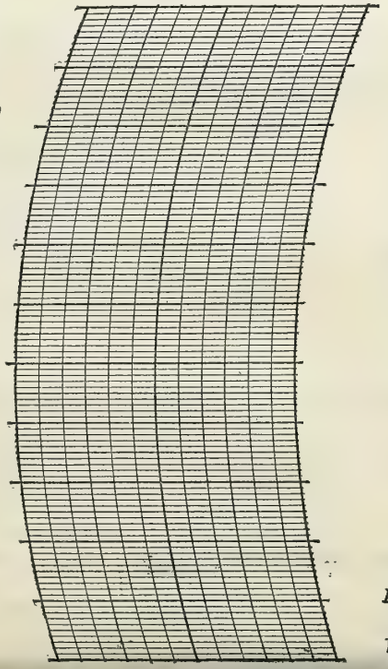
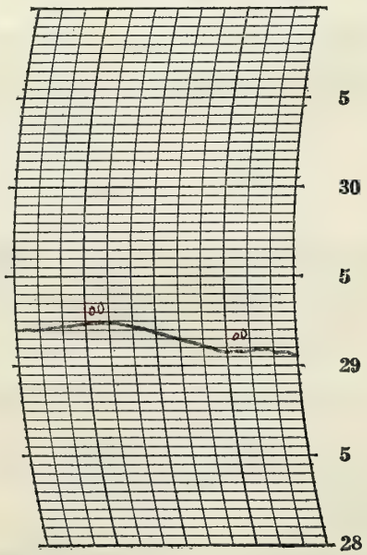


BAROGRAPH.



Prepared by L.C.S.

Verified by E.J.H

NOTES

a cloudy day. Flying conditions good. a very moderate thunderstorm occurred in afternoon but did no damage

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUN 4 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	65	64	62	61	62	64	64	67	70	73	78
State of weather: Nature of precipitation and time of beginning and ending	Rcntd								RE 8:10			
Amounts of precipitation	.01	T	T	.05	T	.01	.07	.01	T			
Cloudiness and other conditions	← Cloudy →											
Sunshine (in tenths of hours)					0	0	0	0	0.4	0.8	1.0	1.0
Wind direction	E	E	E	E	E	E	S	S	S	SW	SW	SW
Wind movement	5	5	5	6	5	4	5	10	9	10	13	9

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	79	81	80	80	79	78	75	71	69	69	67	67
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	← Pt Cloudy →											
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.3 0.7	1.0 0	.15 0				
Wind direction	W	W	W	W	NW	NW	NW	NW	NW	NW	NW	N
Wind movement	12	14	12	14	13	12	9	8	4	4	3	5

Sunrise: Time, 4:10 Character, Cloudy
Moonrise:
Sunset: Time, 7:09 Character, Clear
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

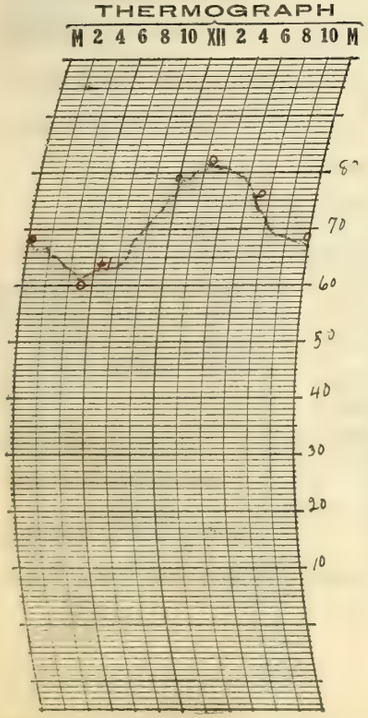
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
81	61	71	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.17 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, 0.15 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 10.4 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 69
Prevailing wind direction, NW Total wind, 196
Average hourly velocity, 8.2 Extreme velocity, 18
Maximum velocity, 17 Direction, W
Time began, 1:12 P
Reduced barometer, 29.93 7 a. m. 29.92 7 p. m.
River gage, −0.5 feet
Relative humidity, 92 7 a. m. 66 7 p. m.

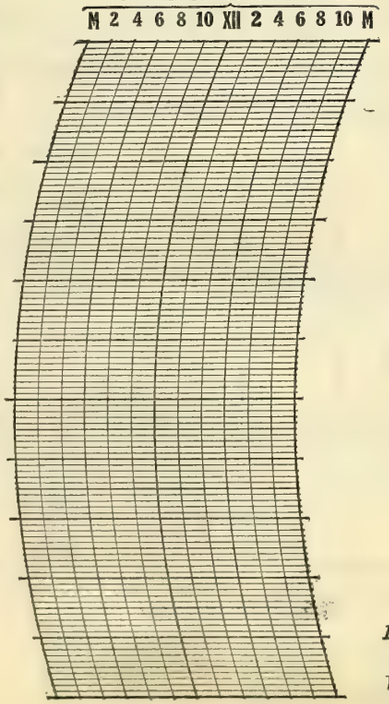
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 78.0 Wet temperature, 71.1
Dew-point, 68 R. humidity, 71 V. pressure, 684
Clouds: Amount, 4/3; Kind, a cu; Direction, W
Velocity of clouds (miles per hour)

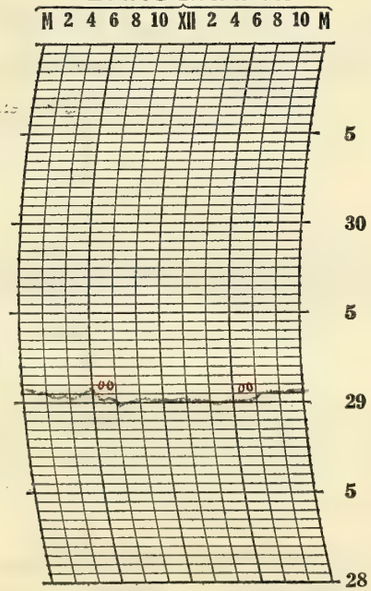
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.N.

8—486

NOTES

Street car service was tied up and power service hampered for 20 minutes as a result of the severe thunderstorm from 3:20 AM to 6:20 AM.

Factories were delayed by break in power due to the electrical disturbance.

A small barn near the city was destroyed by a stroke of lightning causing $500 loss.

The remainder of the day was beautiful and suitable for flying.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUN 5 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	65	63	62	61	63	64	68	70	70	72	73	72	73	74	73	72	72	71	69	66	65	62	62
State of weather: Nature of precipitation and time of beginning and ending		RB DNR RE DNR																						
Amounts of precipitation		T																						
Cloudiness and other conditions								← Cloudy					→			Pt cldy				→				
Sunrise: Time, 4:09 Character, Cloudy																					Sunset: Time, 7:09 Character, Cloudy			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)					0	0	0.2	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.7	0	0	0	0				
Wind direction	W	W	W	NW	NW	N	N	N	N	N	NW	N	N	N	N	N	E	NE	NE	E	NE	E	E	E
Wind movement	6	6	5	6	6	7	9	8	7	10	12	12	13	11	9	8	8	6	4	5	5	7	10	10
Maximum velocities (exceeding 24 miles) direction and time																								

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
74	61	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cldy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 8.7 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 58
Prevailing wind direction, N Total wind, 190
Average hourly velocity, 7.9 Extreme velocity, 16
Maximum velocity, 16 Direction, N
Time began, 12:40 P
Reduced barometer, 30.04 7 a. m. 30.03 7 p. m.
River gage, +0.7 feet
Relative humidity, 84 7 a. m. 53 7 p. m.

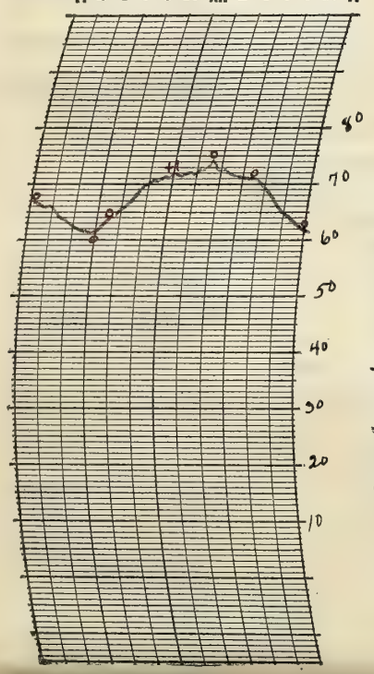
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

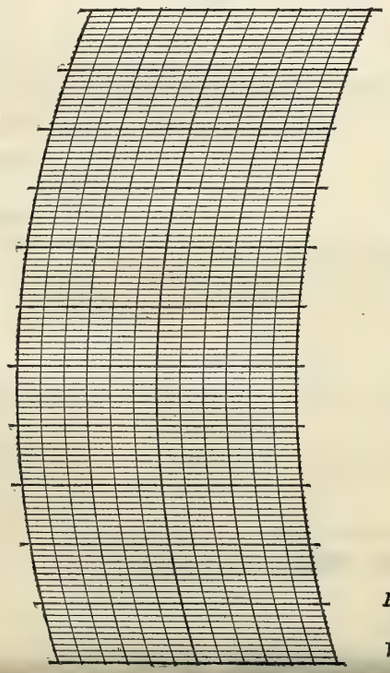
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 72.8 Wet temperature, 58.0
Dew-point, 47 R. humidity, 40 V. pressure, .322
Clouds: Amount, 9; Kind, a St; Direction, W
Velocity of clouds (miles per hour)

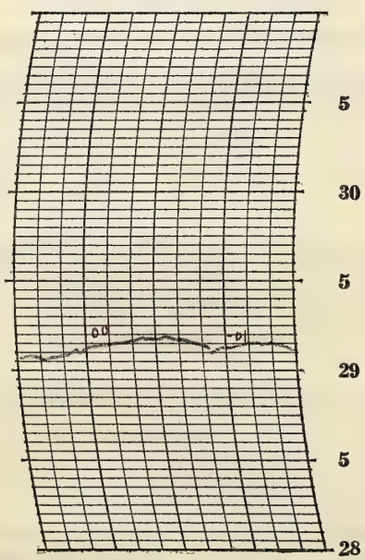
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.H

8—486

NOTES

a part cloudy day: Suitable for flying

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUN 6 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	62	62	62	60	55	54	55	56	58	62	75	78	80	65	66	66	68	65	63	60	59	58	55	55
			RB ONR			RL 5:15		RB 7:52		RL 9:35				RB 1:30		RL 3:20								
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation			T	09	0.16	02		T	05	01				09	05	09								
Cloudiness and other conditions							← Cloudy			X Pt. clay	X			← Cloudy						→				

Sunrise: Time, 4:10 Character, Cloudy
Moonrise:
Sunset: Time, 7:10 Character, Cloudy
Moonset:

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)					0	0	0	0	6	0.2	8.6	1.0	0.9	0.2	0	0	0	0	0	0				
Wind direction	E	E	E	E	E	E	E	E	E	E	E	SW	SW	SW	SW	W	W	SW	SW	W	W	W	W	W
Wind movement	10	10	10	10	8	8	8	9	8	4	9	15	17	19	10	9	12	17	14	13	12	10	9	6
Maximum velocities (exceeding 24 miles) direction and time														33 SW 1:38										

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

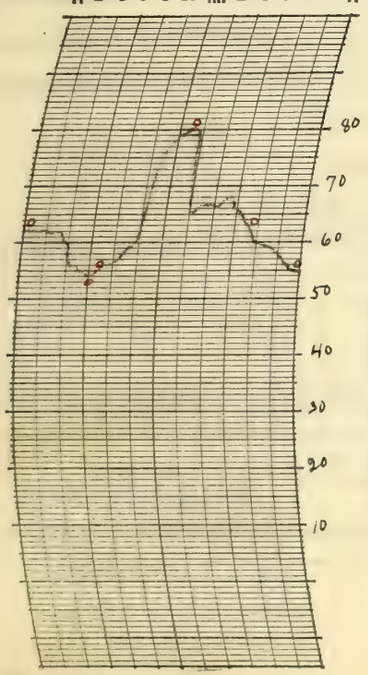
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
80	54	67	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.27 ins.; to 7 p. m., 0.29 ins.
Total precipitation, midnight to midnight, 0.56 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 2.9 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 19
Prevailing wind direction, E Total wind, 257
Average hourly velocity, 10.7 Extreme velocity, 38
Maximum velocity, 33 Direction, SW
Time began, 1:38 P
Reduced barometer, 29.90 7 a. m. 29.727 p. m
River gage, +0.5 feet
Relative humidity, 94 7 a. m. 84 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 78.1 Wet temperature, 69.0
Dew-point, 65 R. humidity, 64 V. pressure, .666
Clouds: Amount, 3; Kind, a cu; Direction, W SW
Velocity of clouds (miles per hour)

THERMOGRAPH



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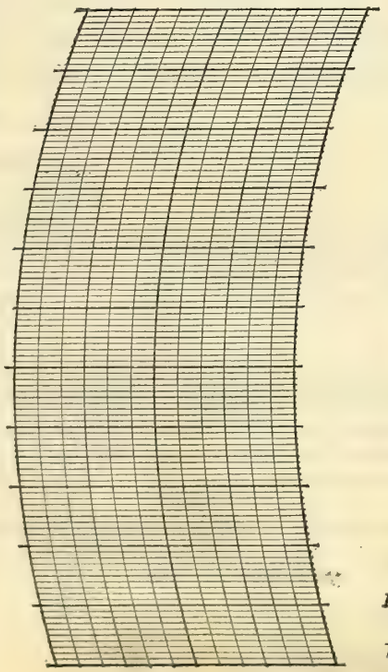
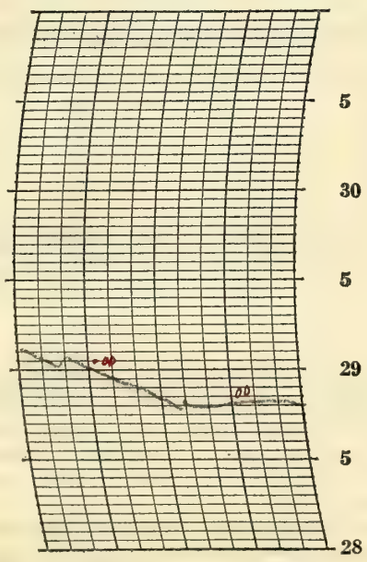


BAROGRAPH.



Prepared by L.C.S

Verified by E.H.N.

8—486

NOTES

Two thunderstorms occurred during the day. The first at 3:00 A.M. and the second at 1:30 P.M. The first was not severe but the second one was.

During the second storm the maximum wind velocity was 33 miles per hour from the southwest and broke some windows, blew down some trees etc.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUN 7 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	54	54	54	53	53	53	54	54	53	53	54	56
State of weather: Nature of precipitation and time of beginning and ending						R 5:55						R 11:08
Amounts of precipitation						T	05	01	02	01	06	T
Cloudiness and other conditions												
Sunrise: Time, 4:09 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0
Wind direction	W	W	W	W	W	W	W	NW	NW	NW	NW	NW
Wind movement	5	6	4	3	2	2	4	4	7	9	8	9
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	57	57	58	56	57	56	56	54	53	52	52	53
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy											
Sunset: Time, 7:10 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0	0	0	0	0	0	0	0				
Wind direction	NW	NW	NW	NW	NW	W	W	NW	W	W	W	W
Wind movement	11	11	13	13	12	13	12	14	13	10	10	12
Maximum velocities (exceeding 24 miles) direction and time												

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
58	52	55	

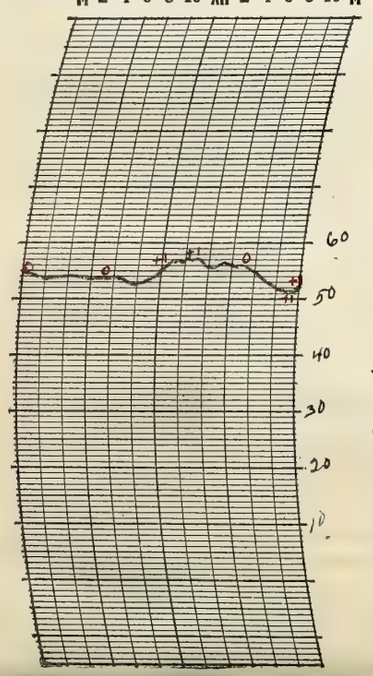
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 04 ins.; to 7 p. m., 0.11 ins.
Total precipitation, midnight to midnight, 0.15 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 0
Prevailing wind direction, W Total wind, 207
Average hourly velocity, 8.6 Extreme velocity, 20
Maximum velocity, 19 Direction, NW
Time began, 7:07 P
Reduced barometer, 29.55 7 a. m. 29.65 7 p. m.
River gage, +1.3 feet
Relative humidity, 97 7 a. m. 80 7 p. m.

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

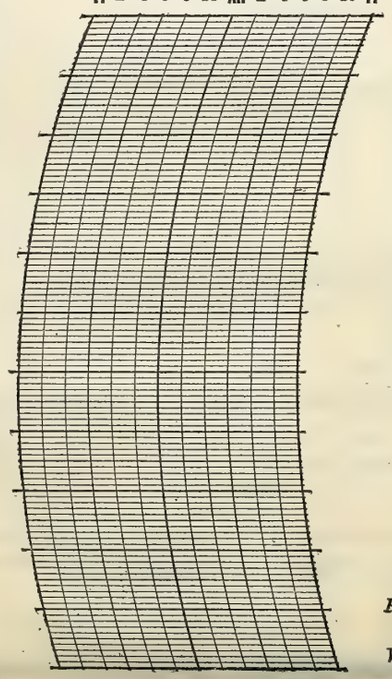
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 55.8 Wet temperature, 55.0
Dew-point, 54 R. humidity, 95 V. pressure, 417
Clouds: Amount, 4 5; Kind, ~~Stratus~~ Cu; Direction, ~~NW~~ NW
Velocity of clouds (miles per hour)

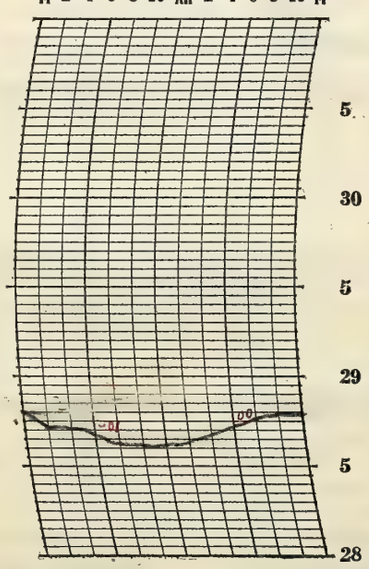
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.H

NOTES

A Cloudy day with light rain beginning in early morning and continuing until after 11:20 A.M.
7 Lying Fair

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUN 8 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	53	52	51	50	50	50	52	53	55	56	58	59
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←				Pr Clay		
Sunshine (in tenths of hours)					.85 0	0.8 0.2	0.3	0.4	0.8	0.9	0.9	1.0
Wind direction	W	NW	W	NW	NW	NW	NW	W	W	W	NW	NW
Wind movement	10	11	11	9	9	11	13	12	15	15	16	18

Sunrise: Time, 4:09 Character, Clear
Moonrise:

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	60	61	61	61	61	60	58	56	53	52	50	49
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Clear			→		
Sunshine (in tenths of hours)	1.0	0.9	0.7	0.9	1.0	0.6 0.4	1.0 0	.18 0				
Wind direction	NW	NW	NW	NW	NW	NW	NW	W	W	W	W	W
Wind movement	18	20	17	16	16	12	9	6	5	4	3	3

Sunset: Time, 7:11 Character, Clear
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

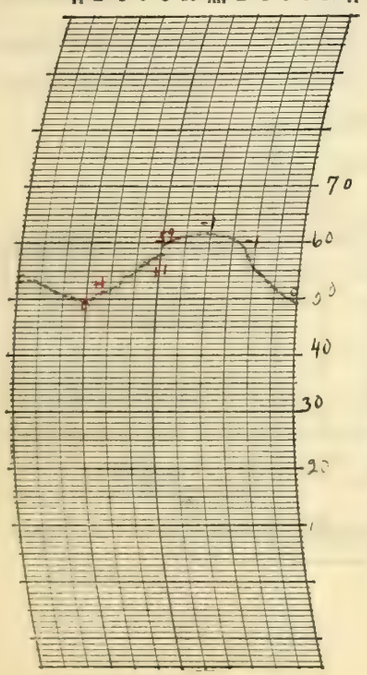
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
61	49	55	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pr Clay Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 12.8 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 85
Prevailing wind direction, NW Total wind, 279
Average hourly velocity, 11.6 Extreme velocity, 25
Maximum velocity, 24 Direction, NW
Time began, 12:36 P
Reduced barometer, 29.79 7 a. m. 29.89 7 p. m.
River gage, +3.5 feet
Relative humidity, 71 7 a. m. 46 7 p. m.

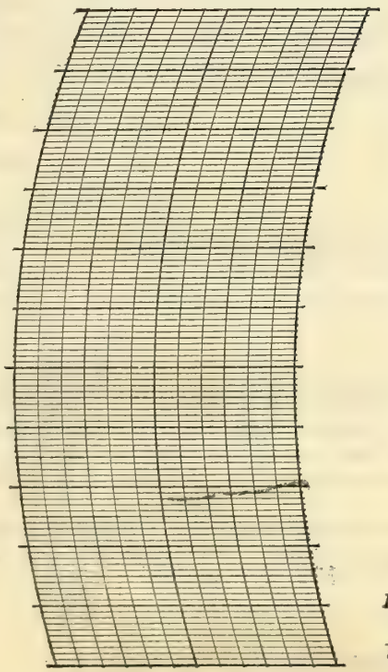
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 59.0 Wet temperature, 49.0
Dew-point, 39 R. humidity, 48 V. pressure, .237
Clouds: Amount, 4; Kind, a Cu; Direction, W
Velocity of clouds (miles per hour)

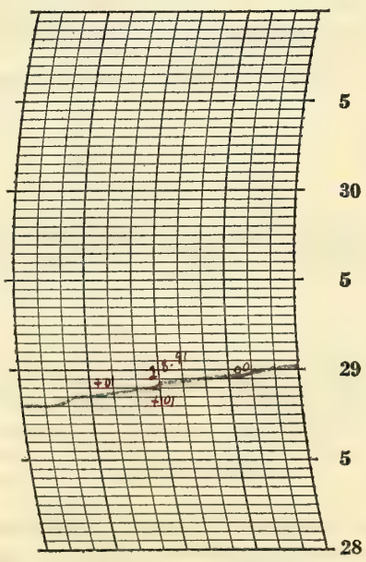
THERMOGRAPH.



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.
Verified by E.L.N.

8—486

NOTES

a part cloudy day, Cool and rather windy. Flying conditions good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUN 9 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	48	47	47	46	46	46	54	60	62	64	66	67	69	68	68	68	68	68	67	66	65	64	63	62
State of weather: Nature of precipitation and time of beginning and ending																		RB 5:05 RE 5:10			RB 8:30 RE 8:40			
Amounts of precipitation																		T			T			
Cloudiness and other conditions						←			Clear	→	×	Pt Clay			×		Cloudy			→				
Sunshine (in tenths of hours)					.87 0	1.0 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	0	0	0	0	0				
Wind direction	W	W	W	NW	NW	NW	NW	E	SE	S	S	SE	SE	SE	SE	SE	SE	E	SE	E	E	E	E	SE
Wind movement	4	3	4	2	1	1	1	4	4	5	6	6	7	7	6	5	6	7	6	5	5	5	7	8
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4:08 Character, Clear
Moonrise:
Sunset: Time, 7:12 Character, Cloudy
Moonset:

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

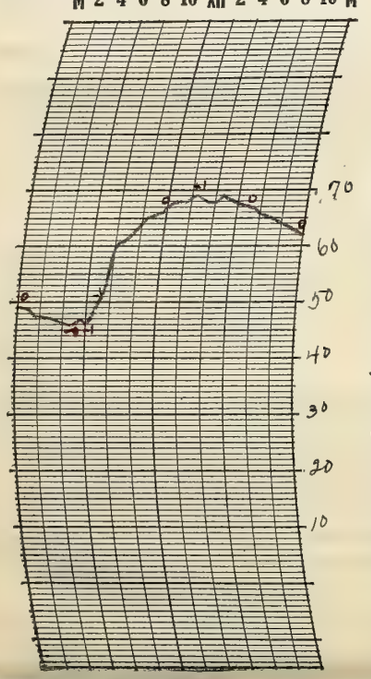
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
70	45	58	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Clay Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 10.2 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 66
Prevailing wind direction, SE Total wind, 115
Average hourly velocity, 4.8 Extreme velocity, 10
Maximum velocity, 10 Direction, SE
Time began, 5:25P
Reduced barometer, 30.04 7 a. m. 29.99 7 p. m.
River gage, +3.6 feet
Relative humidity, 67 7 a. m. 52 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 67.0 Wet temperature, 54.5
Dew-point, 44 R. humidity, 44 V. pressure, 287
Clouds: Amount, 4; Kind, Cist; Direction, E
Velocity of clouds (miles per hour)

THERMOGRAPH



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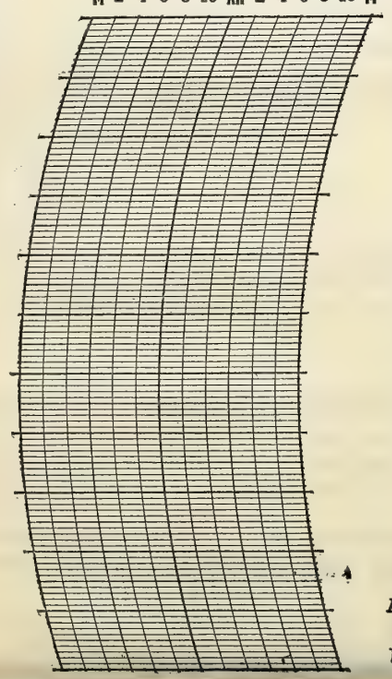
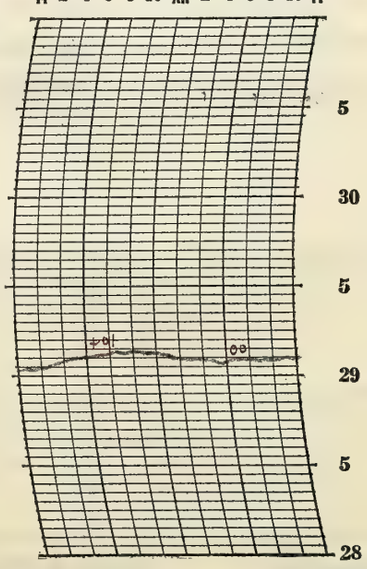


BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.H

8—486

NOTES

A part cloudy day. Flying conditions excellent.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUN 10 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	61	61	60	60	59	59	63	64	68	69	73	74	76	79	79	79	79	78	76	73	72	70	68	68
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Cdy		→		Pt Cdy			→		Clear		→		Pt Cdy			→		
Sunshine (in tenths of hours)					0	0	0.7	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0	0	0				
Wind direction	SE	SE	SE	SE	SE	SE	SE	S	S	S	S	S	S	S	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	9	8	7	8	7	5	7	7	9	9	9	7	8	6	7	8	7	7	7	7	8	7	6	7
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4:08; Character, Cloudy. Moonrise:

Sunset: Time, 7:12; Character, Cloudy. Moonset:

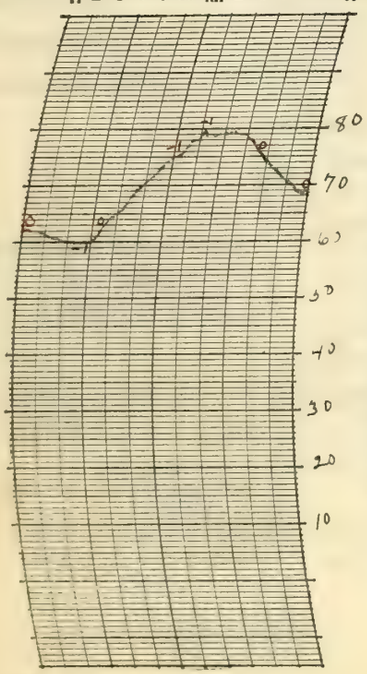
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
79	59	69	

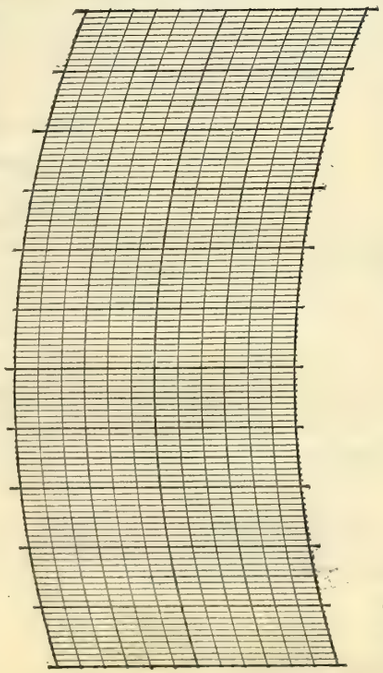
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cldy. Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 9.4 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 62
Prevailing wind direction, SE Total wind, 177
Average hourly velocity, 7.4 Extreme velocity, 12
Maximum velocity, 12 Direction, S
Time began, 9:26 A.
Reduced barometer, 30.09 7 a. m. 30.03 7 p. m
River gage, +3.6 feet
Relative humidity, 64 7 a. m. 50 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)
Dry temperature, 74.5 Wet temperature, 61.5
Dew-point, 54 R. humidity, 48 V. pressure, .417
Clouds: Amount, 6; Kind, a Cu.; Direction, S
Velocity of clouds (miles per hour)

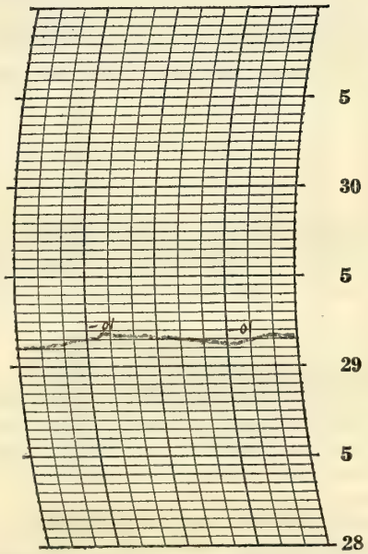
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S

Verified by E.A.H

8—486

NOTES

a part cloudy day. W Typing conditions good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUN 11 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	68	67	67	66	66	66	68	72	76	79	80	80	81	83	82	82	79	78	77	74	74	73	72	71
State of weather: Nature of precipitation and time of beginning and ending		RB 10 NA RE 10 NA																						
Amounts of precipitation		T																						
Cloudiness and other conditions								←		Clear					× Pt Clay							→		
Sunshine (in tenths of hours)					.87 0	1.0 0	0.1 0.9	1.0	1.0	1.0	1.0	1.0	0.6	1.0	0.1	0	0	0	0	0				
Wind direction	SE	SE	S	SE	SE	SE	SE	SE	SE	S	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	6	7	5	5	5	5	8	10	8	10	10	9	7	9	7	8	10	11	8	6	7	6	6	6
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4:08 Character, Clear
Moonrise:
Sunset: Time, 7:13 Character, Cloudy
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

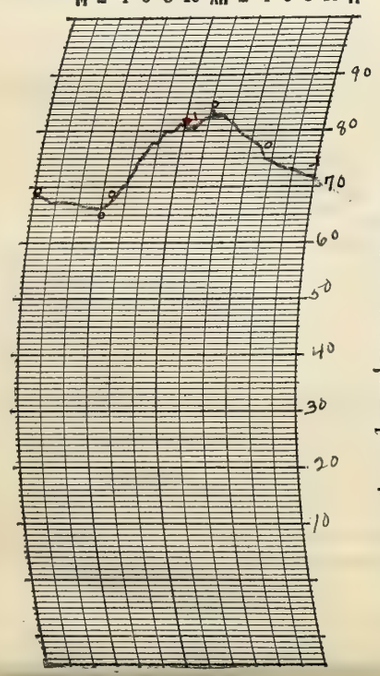
Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
84	66	75	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Clay Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 9.6 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 64
Prevailing wind direction, SE Total wind, 179
Average hourly velocity, 7.5 Extreme velocity, 13
Maximum velocity, 13 Direction, SE
Time began, 5:24 P
Reduced barometer, 30.11 7 a. m. 30.01 7 p. m.
River gage, +3.4 feet
Relative humidity, 59 7 a. m. 52 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 80.0 Wet temperature, 64.1
Dew-point, 54 R. humidity, 41 V. pressure, .417
Clouds: Amount, 3; Kind, a Cu.; Direction, S
Velocity of clouds (miles per hour)

THERMOGRAPH



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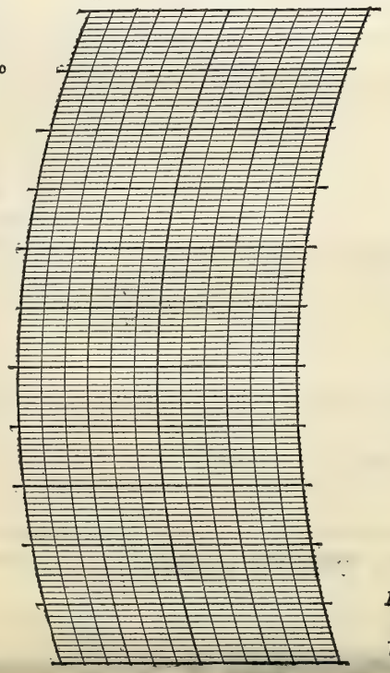
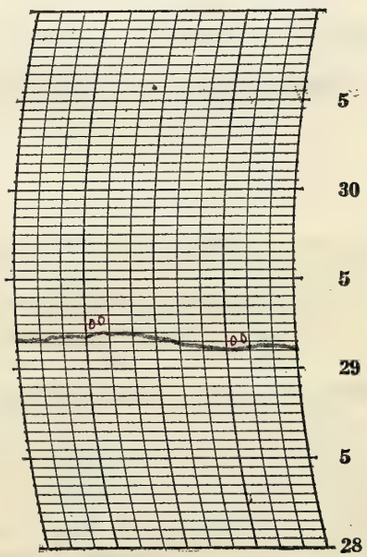


BAROGRAPH.



Prepared by L.C.S.

Verified by L.C.S

S—486

NOTES

a fair cloudy day. Flying conditions excellent.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUN 12 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	70	69	68	67	68	69	70	74	75	77	79	81	82	82	84	84	84	82	80	77	75	73	71	70
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Cloudy ×						Pt Cly ×					Clear			→			
Sunshine (in tenths of hours)					0	0	0	0.5	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0 (1.0)	0 (1.0)	0 (.22)				
Wind direction	SE	SE	E	E	E	E	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	S	SE	SE	S
Wind movement	3	5	6	4	5	5	6	7	8	10	10	11	12	14	14	15	14	11	11	9	6	6	6	7
Maximum velocities (exceeding 25 miles) direction and time																								

Sunrise: Time, 4:08; Character, Cloudy. Moonrise: ____

Sunset: Time, 7:13; Character, Clear. Moonset: ____

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

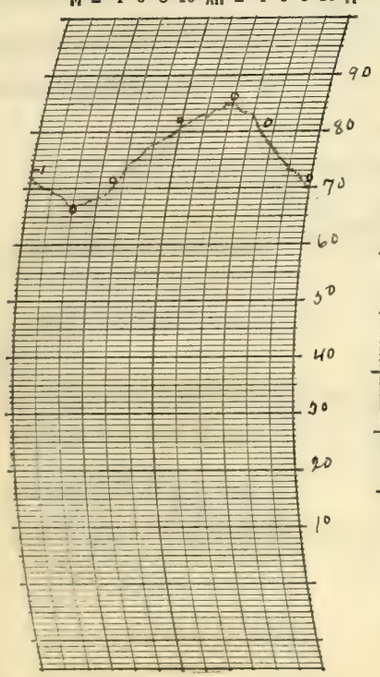
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
85	67	76	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cldy Moon phase, ____
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 11.0 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 73
Prevailing wind direction, SE Total wind, 205
Average hourly velocity, 8.5 Extreme velocity, 10
Maximum velocity, 18 Direction, SE
Time began, 3:18 P
Reduced barometer, 30.01 7 a. m. 29.85 7 p. m.
River gage, +3.4 feet
Relative humidity, 72 7 a. m. 56 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 80.6 Wet temperature, 68.6
Dew-point, 63 R. humidity, 54 V. pressure, .575
Clouds: Amount, 5/4; Kind, a cu / a st; Direction, S/S
Velocity of clouds (miles per hour)

THERMOGRAPH



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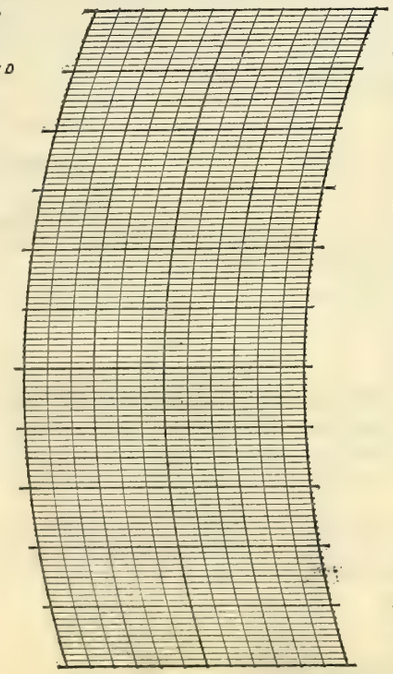
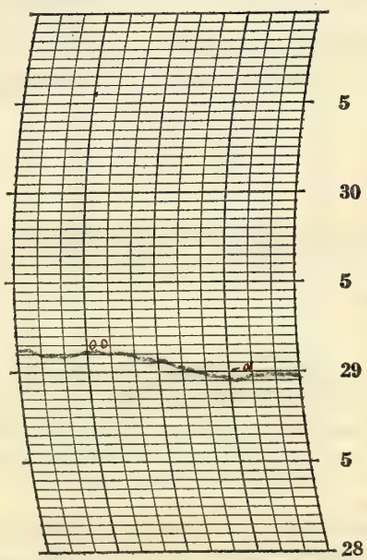


BAROGRAPH.



Prepared by C.S

Verified by Y.C.S

8—486

NOTES

a part cloudy day. Flying conditions excellent

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUN 13 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	68	66	65	64	64	65	70	72	74	76	79	80	82	82	83	83	72	72	74	72	70	69	68	68
State of weather: Nature of precipitation and time of beginning and ending																	RB 4:05 RE 4:10							
Amounts of precipitation																	T							
Cloudiness and other conditions							←					Pt cloudy										→		
Sunshine (in tenths of hours)					.87 0	1.0 0	0.8 0.2	0.8	0.8	0.8	0.8	1.0	1.0	0.7	1.0	0.4	0	0	0	0				
Wind direction	S	S	S	S	SE	SE	S	S	S	S	S	S	S	S	S	S	SW	SW	SW	S	S	S	S	S
Wind movement	6	5	5	5	5	6	6	9	10	8	11	13	10	12	11	11	11	5	4	5	4	5	5	4
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4:08 Character, Clear
Moonrise:
Sunset: Time, 7:14 Character, Cloudy
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

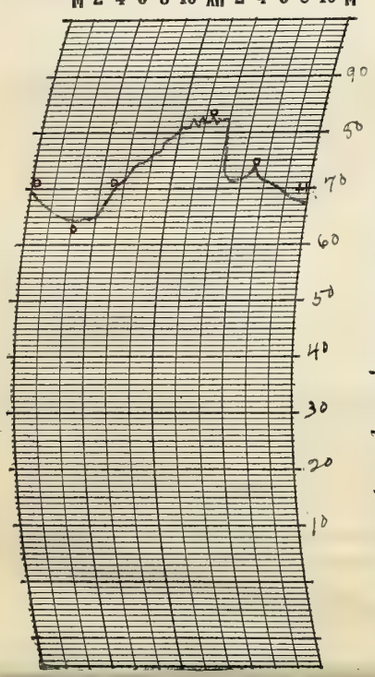
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
83	64	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 10.2 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 68
Prevailing wind direction, S Total wind, 176
Average hourly velocity, 7.3 Extreme velocity, 18
Maximum velocity, 18 Direction, S
Time began, 11:13 A
Reduced barometer, 29.91 7 a. m. 29.87 7 p. m.
River gage, +2.4 feet
Relative humidity, 81 7 a. m. 73 7 p. m.

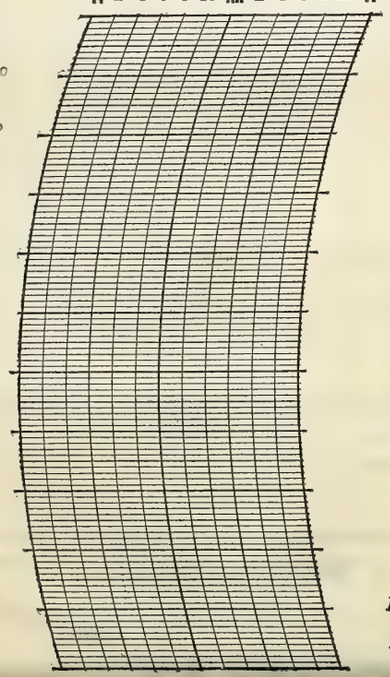
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 79.7 Wet temperature, 67.7
Dew-point, 62 R. humidity, 54 V. pressure, .555
Clouds: Amount, 3 2; Kind, a cu cu; Direction, S S
Velocity of clouds (miles per hour)

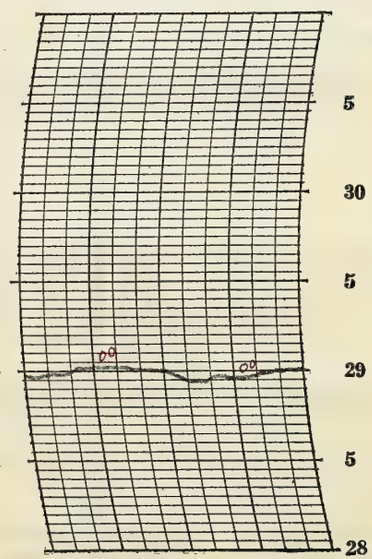
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by L. C. S.

NOTES

A fair cloudy day. Flying conditions good

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Sunday, (Date) JUN 14 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	66	66	65	65	66	69	70	71	74	77	73
Nature of precipitation and time of beginning and ending												RB 11:50
Amounts of precipitation												.01
Cloudiness and other conditions							← Clay	→	✗ Pt day		✗	
Sunshine (in tenths of hours)					0	0	0	0.3	0.1	1.0	0.9	0.1
Wind direction	S	S	S	S	S	SW	SW	SW	SW	SW	SW	W
Wind movement	3	4	4	4	4	4	4	3	3	4	6	8

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	70	74	75	79	75	73	73	72	71	69	68	67
Nature of precipitation and time of beginning and ending	RE 12:15				RB RO 4:55 RE 4:55							
Amounts of precipitation	.01				0.17							
Cloudiness and other conditions	Cloudy →											
Sunshine (in tenths of hours)	0	0	0	0.9	0	0	0	0				
Wind direction	W	W	NW	SW	SW	SW	W	NW	NW	NW	NW	NW
Wind movement	5	3	2	3	3	3	5	8	5	7	5	6

State of weather.

Sunrise: Time, 4:08 Character, Cloudy

Moonrise:

Sunset: Time, 7:14 Character, Cloudy

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
79	65	72	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0.19 ins.

Total precipitation, midnight to midnight, 0.19 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 8

Actual sunshine, hours, 3.3 Possible sunshine, hours, 15.1

Per cent of possible sunshine, 22

Prevailing wind direction, SW Total wind, 106

Average hourly velocity, 4.4 Extreme velocity, 11

Maximum velocity, 11 Direction, W

Time began, 11:35 A

Reduced barometer, 29.95 7a. m. 29.96 7p. m.

River gage, +2.2 feet

Relative humidity, 91 7a. m. 91 7p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

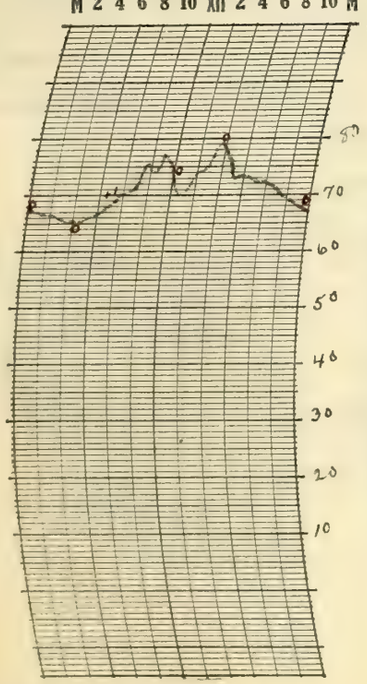
Dry temperature, 73.0 Wet temperature, 68.0

Dew-point, 66 R. humidity, 78 V. pressure, .638

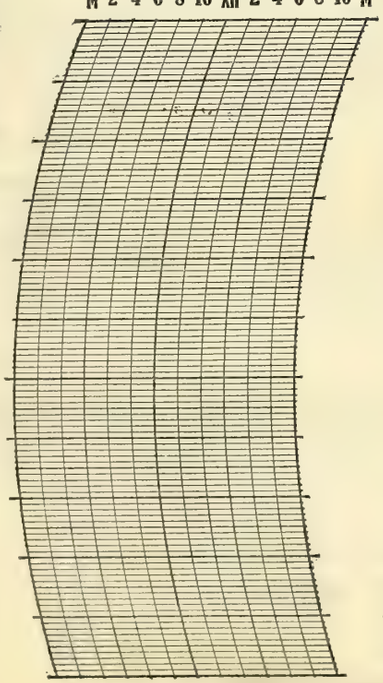
Clouds: Amount, 10; Kind, Cu Nb; Direction, W

Velocity of clouds (miles per hour)

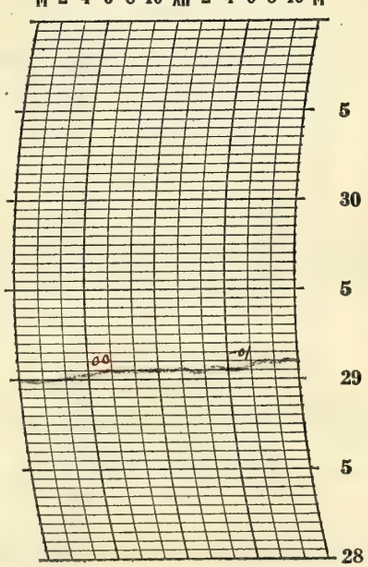
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by L.C.S

8—486

NOTES

Two very moderate thunderstorms occurred during the day. So far as could be learned no damage was done in this vicinity. Day suitable for flying.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUN 15 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	65	65	65	65	65	68	70	72	75	77	78	79	80	79	77	76	74	72	69	68	68	68	65
State of weather: Nature of precipitation and time of beginning and ending																				RB 7:14 RE 7:26				RB 11:10 RC 11:30
Amounts of precipitation																				T				T
Cloudiness and other conditions							← Clear								Pt Cloudy				→	Cloudy				
Sunrise: Time, 4:18 Character, Clear																					Sunset: Time, 7:14 Character, Cloudy			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)					8.7 0	1.0 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0.5	0	0	0				
Wind direction	N	N	N	N	NE	NE	NE	NE	NE	NE	NE	N	N	N	N	N	N	N	N	N	NE	NE	NE	N
Wind movement	5	6	7	6	10	8	10	9	9	9	9	9	8	8	9	12	10	10	9	9	5	4	3	2
Maximum velocities (exceeding 24 miles) direction and time																								

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

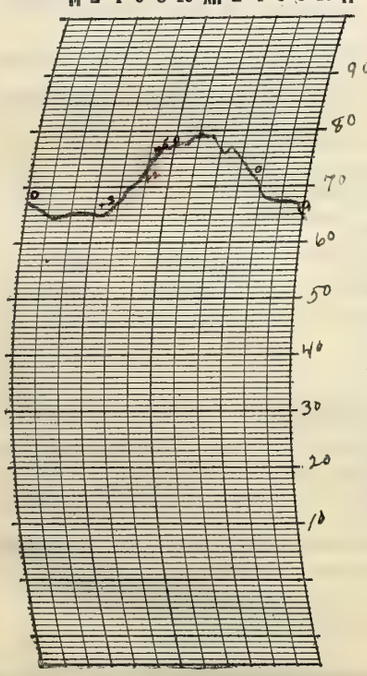
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
80	65	72	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Clay Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 11.8 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 78
Prevailing wind direction, N Total wind, 186
Average hourly velocity, 7.8 Extreme velocity, 13
Maximum velocity, 13 Direction, N
Time began, 3:23 P
Reduced barometer, 30.10 7 a. m. 30.04 7 p. m.
River gage, +2.2 feet
Relative humidity, 73 7 a. m. 57 7 p. m.

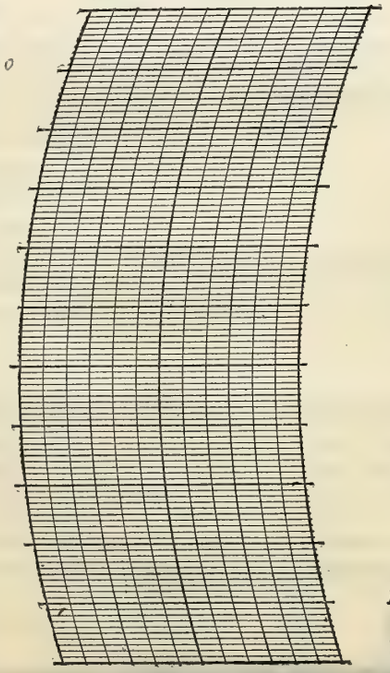
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 77.8 Wet temperature, 65.3
Dew-point, 59 R. humidity, 51 V. pressure, 29.99
Clouds: Amount, 3; Kind, Cu; Direction, N
Velocity of clouds (miles per hour)

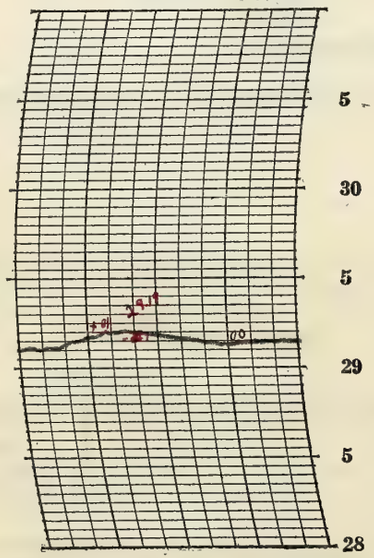
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by L.C.S.

8—486

NOTES

a part cloudy day. 7 flying conditions good

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUN 16 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	63	62	60	59	61	63	64	68	67	70	72
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunrise: Time, 4:08 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)					0	0.1	0.7	0.4	1.0	1.0	0.8	1.0
Wind direction	N	NE	E	E	E	E	NE	NE	NE	N	NW	N
Wind movement	3	3	6	6	6	7	6	8	6	6	6	7
Maximum velocities (exceeding 24 miles) direction and time												

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	73	74	75	75	74	74	72	69	67	65	63	61
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Prcldy						Clear					
Sunset: Time, 7:15 Character, Clear												
Moonset:												
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.9	1.0	0.5 0.5	1.0 0	.25 0				
Wind direction	N	NW	NW	N	N	N	NE	N	NE	NE	NE	N
Wind movement	7	9	9	10	9	8	6	5	5	4	3	2
Maximum velocities (exceeding 24 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

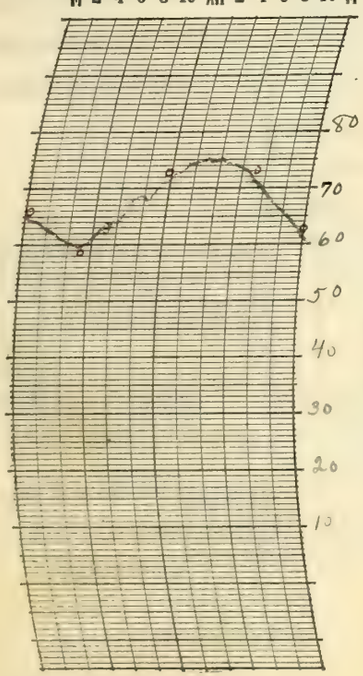
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
75	59	67	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cldy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 12.2 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 81
Prevailing wind direction, N Total wind, 147
Average hourly velocity, 6.1 Extreme velocity, 13
Maximum velocity, 13 Direction, N
Time began, 2:42 P
Reduced barometer, 30.08 7 a. m. 30.02 7 p. m
River gage, +1.1 feet
Relative humidity, 67 7 a. m. 46 7 p. m.

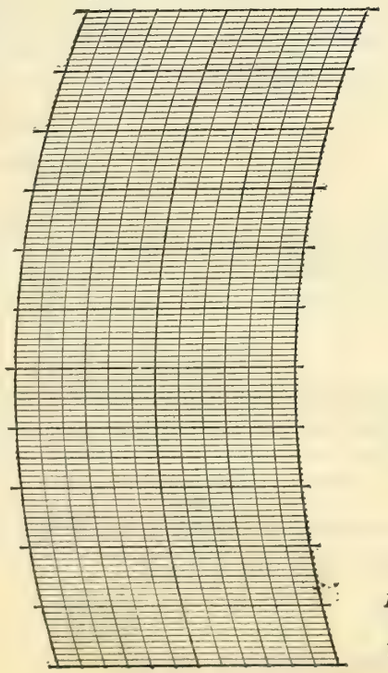
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 72.2 Wet temperature, 61.7
Dew-point, 55 R. humidity, 55 V. pressure, .432
Clouds: Amount, 4; Kind, a Cu; Direction, N
Velocity of clouds (miles per hour)

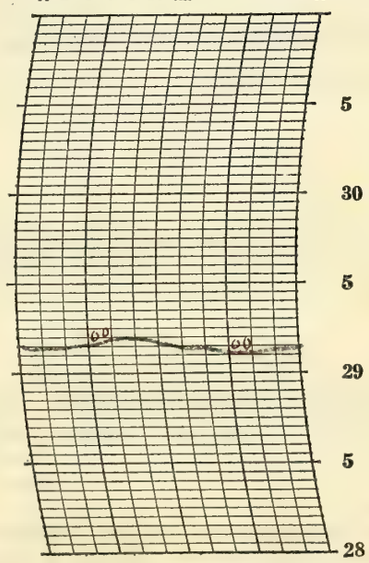
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S

Verified by L.C.S

8—486

NOTES

a fair cloudy day. 7 flying conditions excellent

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUN 17 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	60	57	57	56	57	61	66	69	70	72	73	76	77	77	78	78	77	78	76	73	72	70	68	67
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←					Clear					Pt Cldy					→			
Sunshine (in tenths of hours)					.87 0	6.4 0.6	1.0	1.0	1.0	0.8	1.0	0.9	1.0	1.0	1.0	0.9	0	0.3	0	0				
Wind direction	N	N	N	N	N	N	NE	N	N	NW	NW	N	SW	SW	S	SW	SW	W	NE	N	E	E	SE	SE
Wind movement	2	3	2	3	3	1	3	3	2	5	5	5	4	6	6	5	4	3	4	3	3	2	3	5
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4:08 Character, Clear
Moonrise:
Sunset: Time, 7:15 Character, Cloudy
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

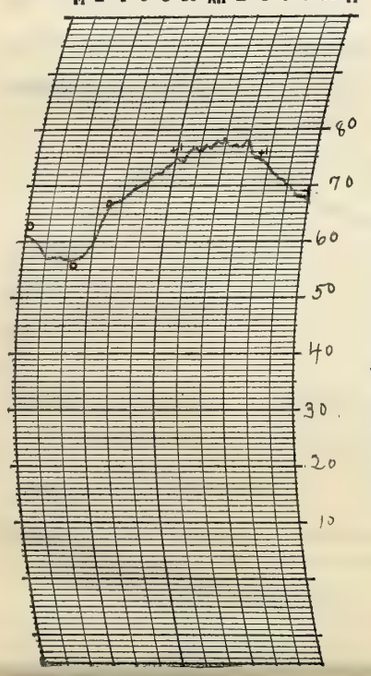
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
79	56	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 11.8 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 78
Prevailing wind direction, N Total wind, 85
Average hourly velocity, 3.5 Extreme velocity, 8
Maximum velocity, 8 Direction, SE
Time began, 11:50 P
Reduced barometer, 30.09 7 a. m. 30.02 7 p. m.
River gage, +1.1 feet
Relative humidity, 58 7 a. m. 45 7 p. m.

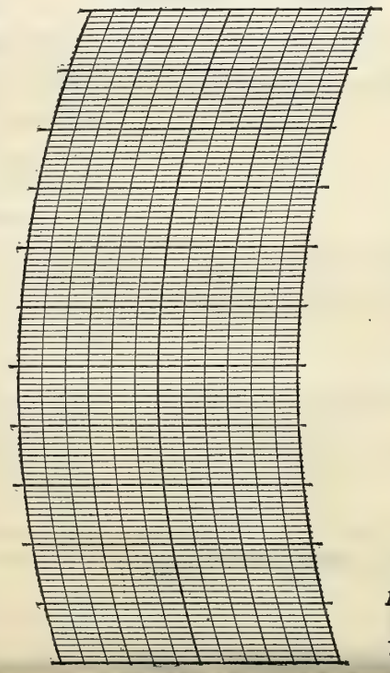
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 76.5 Wet temperature, 60.0
Dew-point, 48 R. humidity, 37 V. pressure, .334
Clouds: Amount, 3; Kind, Cu.; Direction, N
Velocity of clouds (miles per hour)

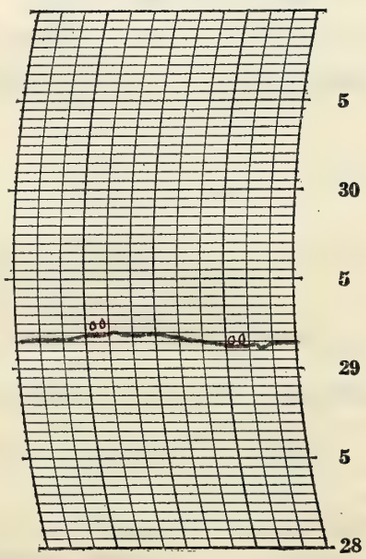
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by L.C.S

8—486

NOTES

A Clear Day: 7 flying conditions excellent

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Thursday, (Date) JUN 18 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	65	63	61	60	62	67	71	75	78	80	82
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)					.87 0	0.9 0.8	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	S	S	S	S	S	S	SW	SW	SW	SW	SW	SW
Wind movement	6	5	3	4	4	5	6	6	8	8	7	8

Sunrise: Time, 4:08 Character, Clear
Moonrise:

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	84	85	86	87	86	85	85	79	76	74	72	71
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear											
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.4 0.6	1.0 0	.25 0				
Wind direction	SW	SW	SW	SW	SW	SW	SW	S	S	S	S	S
Wind movement	7	6	7	8	9	7	4	6	8	7	8	10

Sunset: Time, 7:15 Character, Clear
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

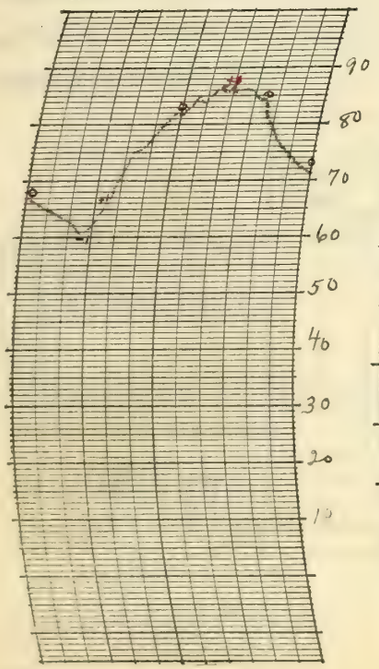
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
88	60	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 15.1 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind, 157
Average hourly velocity, 6.5 Extreme velocity, 12
Maximum velocity, 12 Direction, SW
Time began, 4:08 P
Reduced barometer, 30.09 7 a. m. 29.99 7 p. m
River gage, +1.1 feet
Relative humidity, 68 7 a. m. 41 7 p. m.

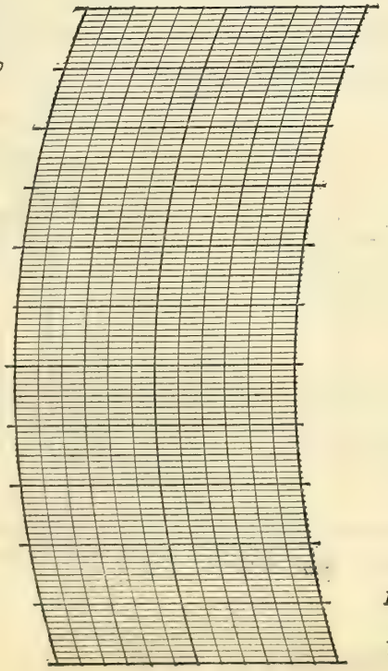
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 82.3 Wet temperature, 64.2
Dew-point, 53 R. humidity, 37 V. pressure, 402
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

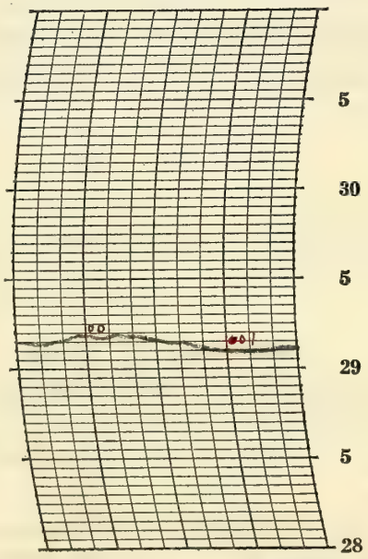
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by L. C. S.

8—486

NOTES

a clear sultry day. Conditions for flying excellent.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUN 18 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	70	69	68	68	69	71	74	81	84	86	88	90
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunrise: Time, 4:08 Character, Clear												
Moonrise:												
Sunshine (in tenths of hours)					.87 0	1.0 0	0.1 0.9	1.0	1.0	1.0	1.0	1.0
Wind direction	S	S	S	S	S	S	S	SW	SW	SW	SW	SW
Wind movement	6	7	6	8	8	8	8	8	10	11	13	12
Maximum velocities (exceeding 24 miles) direction and time												

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	91	92	93	93	93	91	89	86	84	82	80	78
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				Clear								
Sunset: Time, 7:16 Character, Clear												
Moonset:												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.4 0.6	1.0 0	.27 0				
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S	S
Wind movement	13	15	14	14	12	10	6	6	6	7	6	8
Maximum velocities (exceeding 24 miles) direction and time												

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
93	68	80	

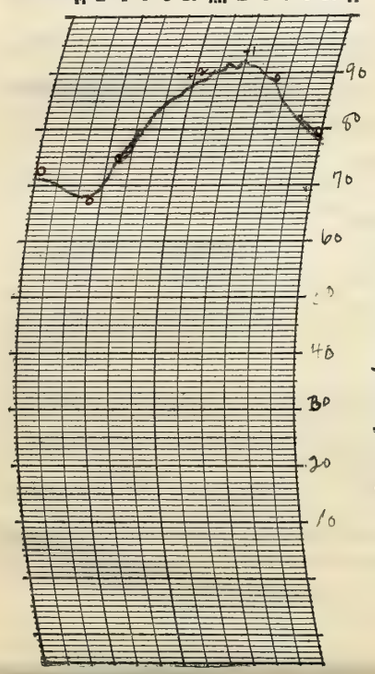
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 15.1 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind, 222
Average hourly velocity, 9.2 Extreme velocity, 19
Maximum velocity, 19 Direction, SW
Time began, 1:25P
Reduced barometer, 30.03 7 a.m. 29.93 7 p.m.
River gage, +1.0 feet
Relative humidity, 62 7 a.m. 49 7 p.m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 89.8 Wet temperature, 73.0
Dew-point, 65 R. humidity, 44 V. pressure, .616
Clouds: Amount, 3; Kind, a cu; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH



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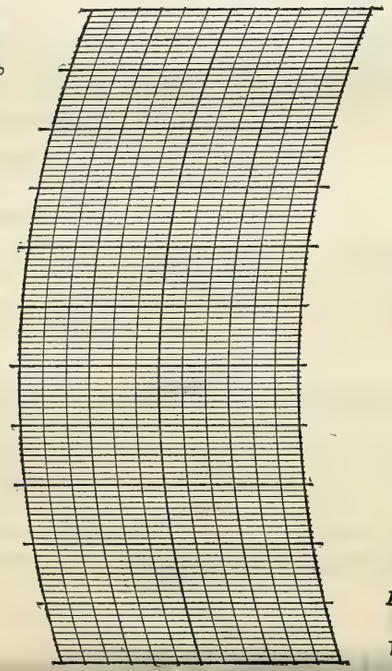
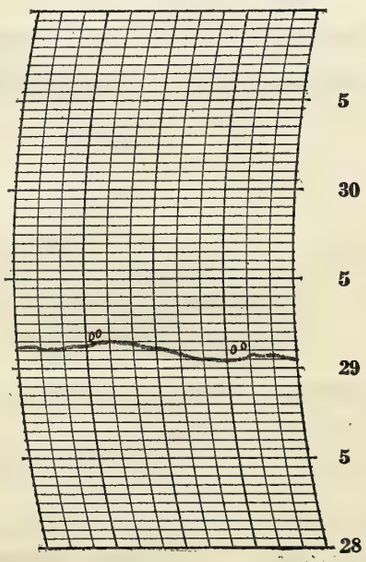


BAROGRAPH.



Prepared by L. C. S.

Verified by L. C. S

NOTES

A clear day 7 lying conditions good.

It was very sultry today, but no fatalities have been reported in this city from the heat wave that is prevalent at this time.

Today highest thus far this season

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUN 20 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	77	76	75	74	75	77	79	81	85	87	89	90
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation						← Clear						
Cloudiness and other conditions											Pt Cldy	
Sunrise: Time, 4:09 Character, Clear												
Moonrise:												
Sunshine (in tenths of hours)					.85 0	1.0 0	0.4 3.6	1.0	1.0	1.0	1.0	1.0
Wind direction	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	6	6	6	7	7	7	7	9	12	14	15	14
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	90	92	90	88	86	84	82	79	77	75	73	72
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation						x						
Cloudiness and other conditions							Clear			→		
Sunset: Time, 7:16 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	1.0	1.0	0.9	1.0	1.0	0.9	0	0				
Wind direction	W	W	W	NW	NW	NW	N	N	N	N	N	N
Wind movement	18	18	20	18	18	13	9	6	5	5	4	5

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
92	72	82	

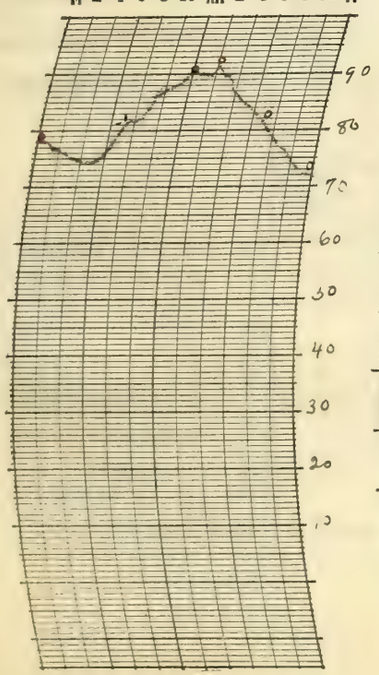
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cldy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 13.6 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 90
Prevailing wind direction, SW Total wind, 249
Average hourly velocity, 10.4 Extreme velocity, 25
Maximum velocity, 23 Direction, W
Time began, 2:12 P
Reduced barometer, 29.99 a. m. 30.00 p. m.
River gage, +0.7 Feet
Relative humidity, 71 a. m. 54 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

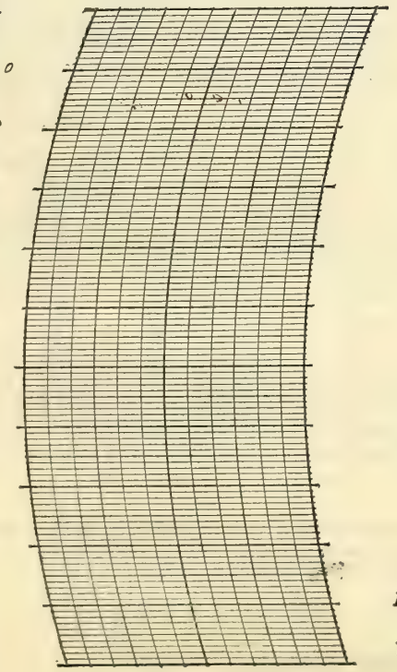
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 90.0 Wet temperature, 73.0
Dew-point, 65 R. humidity, 44 V. pressure, 26
Clouds: Amount, 5 2; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

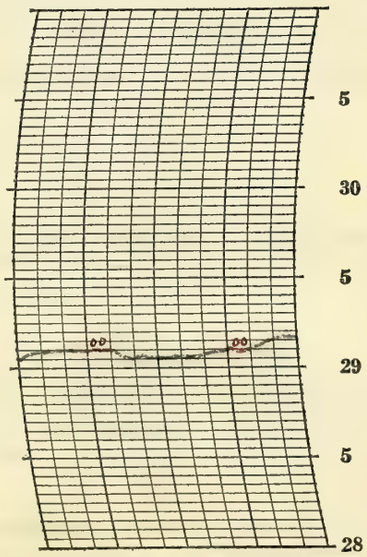
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by C.C.S.

Verified by J.C.S.

8—486

NOTES

a fort cloudy and sultry day
Flying condition good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

JUN 21 1931

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) , 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	71	69	68	67	70	74	75	77	79	81	83
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Pt Cldy						
Sunrise: Time, 4:09 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)					0	0	0	0.4	0.2	1.0	1.0	1.0
Wind direction	NE	E	E	E	NE	NE	E	E	E	E	E	E
Wind movement	5	4	1	1	2	3	7	8	8	8	8	8
Maximum velocities (exceeding 24 miles) direction and time												

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	85	87	69	70	73	72	72	69	68	67	67	66
State of weather: Nature of precipitation and time of beginning and ending			RD 2:40	RE 4:00								
Amounts of precipitation			0.27	0.09								
Cloudiness and other conditions				Cldy								
Sunset: Time, 7:16 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0.6	0.6	0	0	0.4	0	0	0				
Wind direction	E	E	SW	W	NE	E	E	E	NE	E	E	E
Wind movement	9	9	13	5	7	6	6	7	8	7	6	6
Maximum velocities (exceeding 24 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

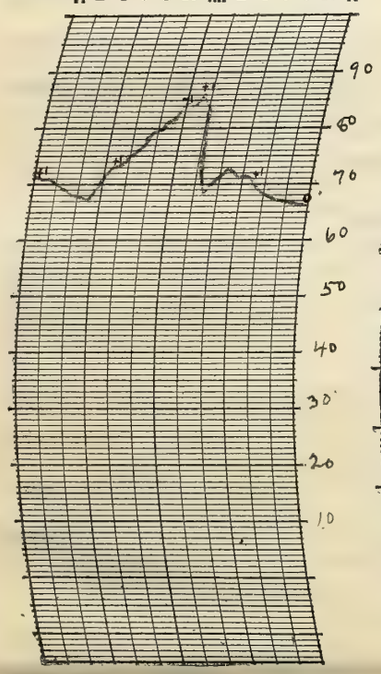
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
87	66	76	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0.36 ins.
Total precipitation, midnight to midnight, 0.36 inches.
Character of day, Pt Cldy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 5.2 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 34
Prevailing wind direction, E Total wind, 152
Average hourly velocity, 6.3 Extreme velocity, 20
Maximum velocity, 20 Direction, SW
Time began, 2:39 P
Reduced barometer, 30.10 a. m. 30.07 p. m.
River gage, +0.7 Feet
Relative humidity, 70 a. m. 86 p. m.

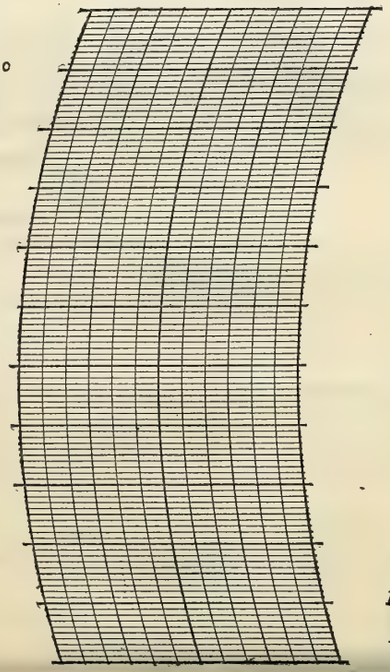
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 83.0 Wet temperature, 71.0
Dew-point, 65 R. humidity, 56 V. pressure, 616
Clouds: Amount, 4; Kind, A Cu.; Direction, N
Velocity of clouds (miles per hour)

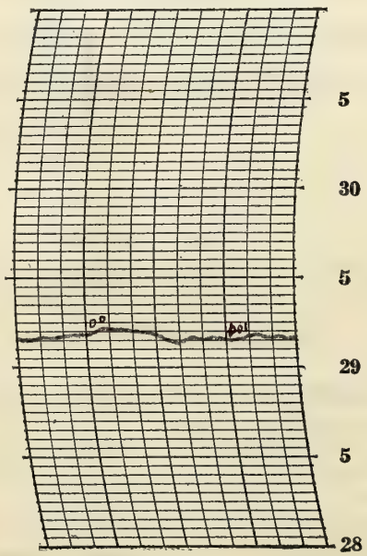
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by L.C.S

NOTES

A part cloudy day. A moderate thunderstorm occurred during the day. No damage reported from storm. Street car traffic temporarily halted due to flooded viaducts.

2—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUN 22 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	66	66	65	64	63	62	63	63	68	73	76	79	81	84	85	86	85	83	81	73	70	69	69	68
State of weather: Nature of precipitation and time of beginning and ending					RB 4:26	RE 5:15 RB 5:40		RE 7:15													RB 8:30P		RE DNP	
Amounts of precipitation					0.13	.04	.03	T													T	.07	01	
Cloudiness and other conditions						Cldy,				Ptcldy							Cldy							
Sunshine (in tenths of hours)					0	0	0	0	0	0.7	1.0	1.0	1.0	0.8	0.6	1.0	0.6	0	0	0				
Wind direction	E	NE	NE	E	E	E	E	NE	NE	E	SE	SE	E	NE	W	W	N	NE	E	E	W	S	E	SE
Wind movement	5	6	6	8	7	5	6	4	4	6	3	5	3	3	4	3	3	4	4	1	10	8	7	4
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4:09 Character, Cloudy
Moonrise:
Sunset: Time, 7:16 Character, Cloudy
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

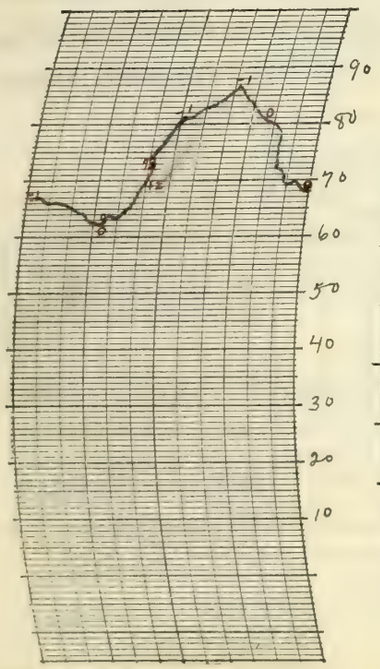
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
86	62	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m. 0.20 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 0.28 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 6.7 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 44
Prevailing wind direction, E Total wind, 119
Average hourly velocity, 5.0 Extreme velocity, 25
Maximum velocity, 22 Direction, NW
Time began, 8:25 P
Reduced barometer, 30.10 7 a. m. 30.00 7 p. m.
River gage, +0.7 feet
Relative humidity, 97 7 a. m. 70 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 79.1 Wet temperature, 70.6
Dew-point, 67 R. humidity, 66 V. pressure, .661
Clouds: Amount, 5; Kind, a cu; Direction, E
Velocity of clouds (miles per hour)

THERMOGRAPH



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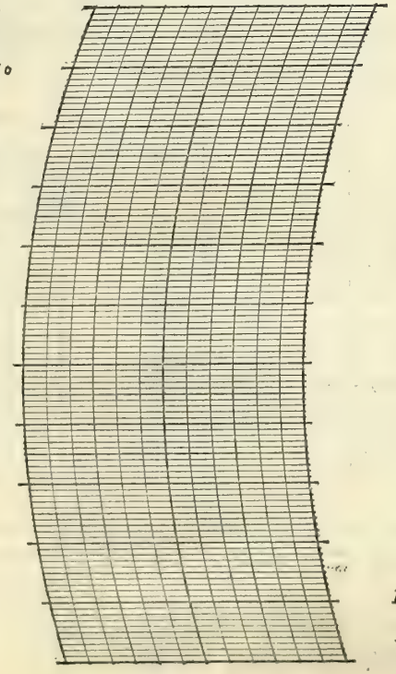
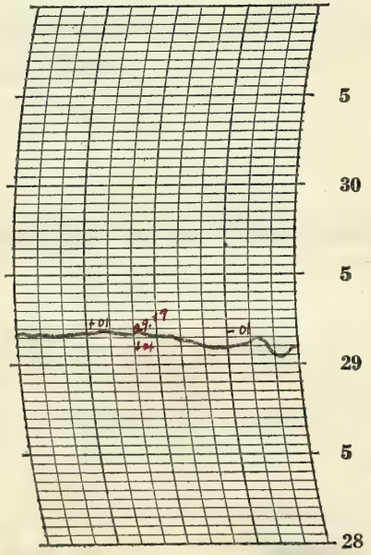


BAROGRAPH.



Prepared by P.C.S.

Verified by P.C.S.

8—486

NOTES

Two moderate thunderstorms occurred during the day. No damage reported.
7 lyrsm conditions good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUN 23 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	68	67	67	66	66	65	65	65	67	71	73	76	79	80	80	80	80	79	78	77	75	75	73	73
State of weather: Nature of precipitation and time of beginning and ending						RB DNH		RE 7:45																
Amounts of precipitation						0.3	0.17	0.2																
Cloudiness and other conditions						←		Cldy		→	Pcldy			→	Cldy			→	P+Cldy			→		

Sunrise: Time, 4:09 Character, Cloudy
Moonrise:
Sunset: Time, 7:17 Character, Cloudy
Moonset:

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)					0	0	0	0	0	0.6	1.0	1.0	1.0	0.7	0.2	0	0	0	0	0				
Wind direction	SE	SE	NW	N	N	NW	NW	S	S	N	W	NW	NW	NW	NW	NW	NW	N	SE	SE	SE	SE	SE	S
Wind movement	3	3	4	4	7	9	11	7	4	7	6	3	4	7	7	7	5	4	5	5	3	3	3	2
Maximum velocities (exceeding 24 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

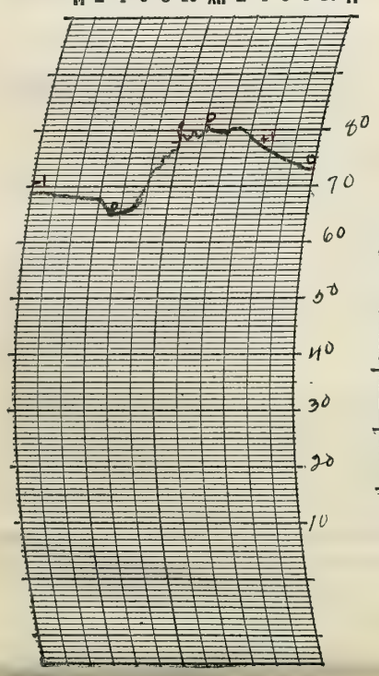
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
81	65	73	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m. 0.26 ins.; to 7 p. m., .06 ins.
Total precipitation, midnight to midnight, 0.24 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 4.5 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 30
Prevailing wind direction, NW Total wind, 127
Average hourly velocity, 5.3 Extreme velocity, 14
Maximum velocity, 14 Direction, NW
Time began, 5:22 A.
Reduced barometer, 30.05 7 a. m. 30.02 7 p. m.
River gage, +0.8 feet
Relative humidity, 97 7 a. m. 69 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 76.4 Wet temperature, 67.9
Dew-point, 63 R. humidity, 65 V. pressure, .575
Clouds: Amount, 6; Kind, a. cu.; Direction, N
Velocity of clouds (miles per hour)

THERMOGRAPH



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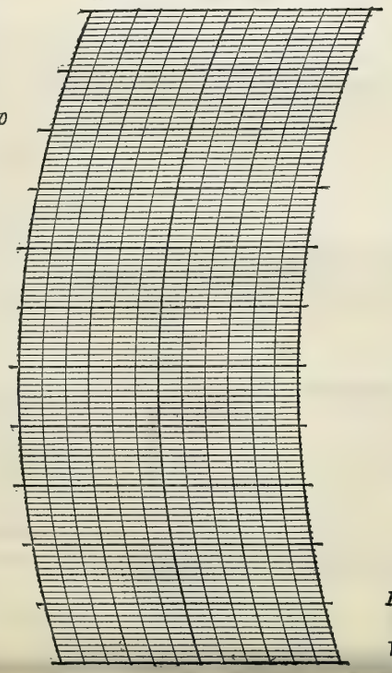
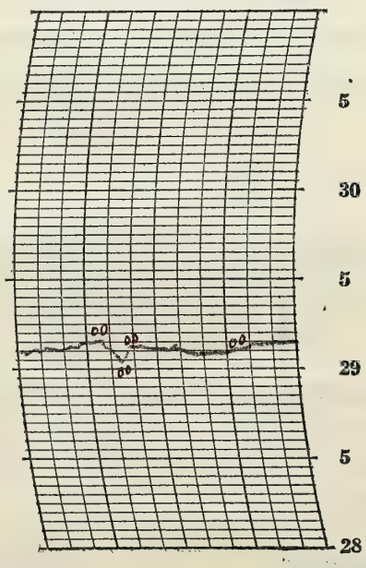


BAROGRAPH.



Prepared by L.C.S.

Verified by L.C.S

8—486

NOTES

A cloudy day. Moderate thunder storm occurred in the morning. No damage reported.
Flying conditions good.
Two special observations sent to Chicago on account of .14 drop of barometer and .12 Rise following in next two hours.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUN 24 1931, 193

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	73	72	71	69	68	67	67	69	73	75	77	78
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions											Cloudy	
Sunshine (in tenths of hours)					0	0	0	0.7	1.0	1.0	1.0	0.6
Wind direction	S	S	E	E	E	E	NE	NE	E	E	E	E
Wind movement	1	3	1	5	7	7	8	9	10	9	8	9

Sunrise: Time, 4:10 Character, Cloudy

Moonrise:

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	80	82	84	82	83	82	81	79	77	74	72	71
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Pt Cldy		Clear					
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.2	0.8	0.7 0.3	1.0 0	.28 0				
Wind direction	E	E	E	E	E	E	E	E	E	E	E	E
Wind movement	9	8	7	8	7	8	6	6	7	8	8	5

Sunset: Time, 7:17 Character, Clear

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

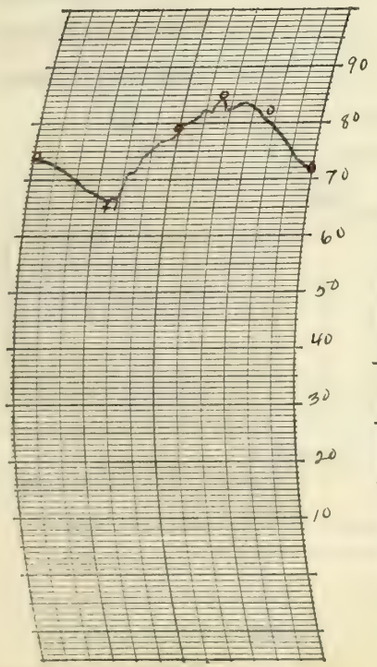
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
84	67	76	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cldy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 10.6 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 70
Prevailing wind direction, E Total wind, 164
Average hourly velocity, 6.8 Extreme velocity, 12
Maximum velocity, 12 Direction, E
Time began, 8:26A
Reduced barometer, 30.13 7a. m. 30.08 7p. m
River gage, +0.6 feet
Relative humidity, 90 7a. m. 68 7p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 78.3 Wet temperature, 70.8
Dew-point, 67 R. humidity, 69 V. pressure, .661
Clouds: Amount, 9; Kind, Ci St; Direction, E
Velocity of clouds (miles per hour)

THERMOGRAPH



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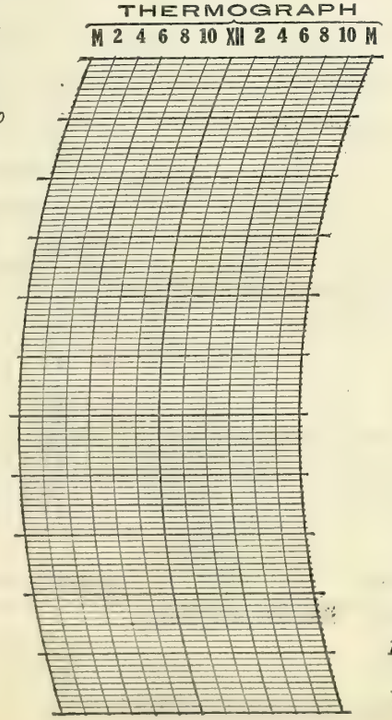
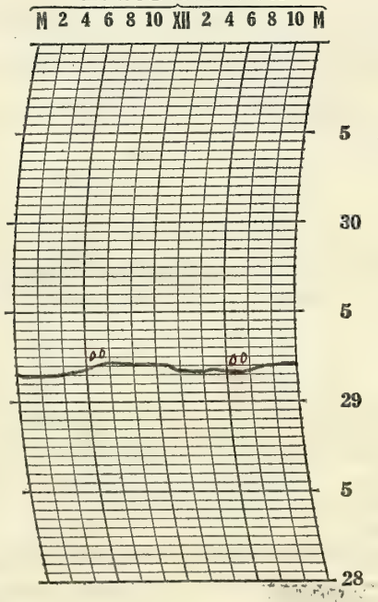


BAROGRAPH.



Prepared by L.C.S.

Verified by L.C.S

8—486

NOTES

a part cloudy day. Flying conditions excellent.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUN 25 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	70	69	68	67	68	70	74	79	83	88	90	92	93	94	94	94	94	93	90	87	85	83	82	80
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					Partly Cloudy								Clear											
Sunshine (in tenths of hours)					.83 0	1.0 0	0.2 0.7	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.1 0.9	1.0 0	.28 0				
Wind direction	E	E	E	E	E	E	S	SW	SW	W	W	W	SW	SW	SW	SW	W	W	SW	SW	SW	SW	SW	SW
Wind movement	5	5	2	3	2	2	5	5	5	5	6	6	7	7	8	8	8	6	5	4	4	5	4	6
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4:16 Character, Clear
Moonrise:
Sunset: Time, 7:17 Character, Clear
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

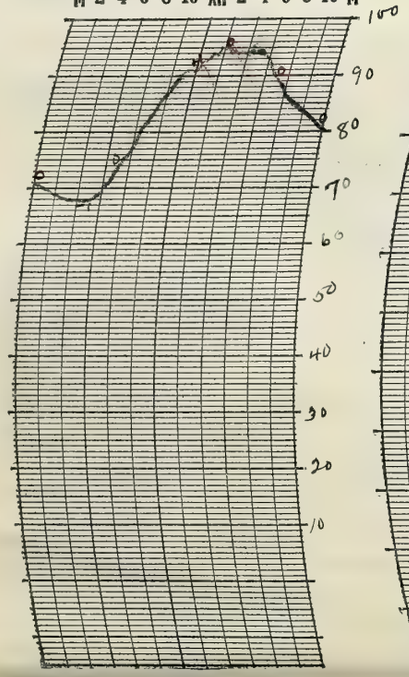
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
95	67	81	

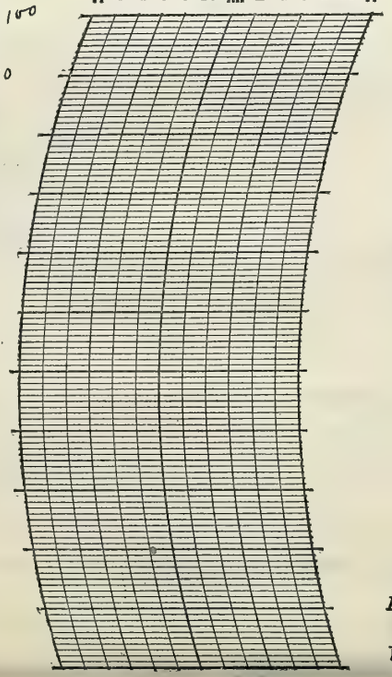
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 14.8 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 98
Prevailing wind direction, SW Total wind, 123
Average hourly velocity, 5.1 Extreme velocity, 11
Maximum velocity, 11 Direction, SW
Time began, 1:28 P
Reduced barometer, 30.12 7 a. m. 30.05 7 p. m.
River gage, +0.6 feet
Relative humidity, 89 7 a. m. 59 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 91.8 Wet temperature, 77.3
Dew-point, 72 R. humidity, 52 V. pressure, .783
Clouds: Amount, 3; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

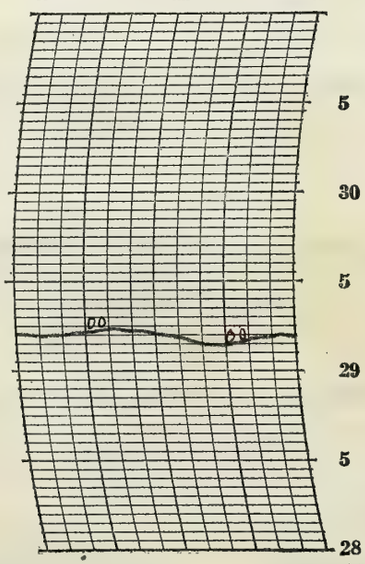
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by L.C.S

NOTES

A Clear very sultry day. New high mark for season. One heat prostration reported in this vicinity. Flying conditions excellent

S—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUN 26 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	79	79	78	77	76	78	80	84	88	90	91	81
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear			→		Pt Cloudy	
Sunshine (in tenths of hours)					.83 0	1.0 0	1.0	1.0	1.0	1.0	1.0	0.7
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W	NE
Wind movement	5	5	4	5	5	6	7	6	7	8	12	18

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	82	82	79	82	81	81	81	79	78	76	75	75
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					→ Clear			→ Pt Cldy		→		
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.5	1.0 0	1.0 0	.28 0				
Wind direction	NE	E	E	SE	SE	S	S	S	S	SW	SW	SW
Wind movement	12	13	14	10	7	8	7	6	7	6	7	9

Sunrise: Time, 4:10 Character, Clear

Moonrise: ____ ____

Sunset: Time, 7:17 Character, Clear

Moonset: ____ ____

Maximum velocities (exceeding 21 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
91	75	83	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cldy Moon phase, ____

Average daily cloudiness (0-10), 4

Actual sunshine, hours, 14.3 Possible sunshine, hours, 15.1

Per cent of possible sunshine, 95

Prevailing wind direction, SW Total wind, 194

Average hourly velocity, 8.1 Extreme velocity, 23

Maximum velocity, 21 Direction, NE

Time began, 11:26 A.

Reduced barometer, 30.07 7 a. m. 30.02 7 p. m.

River gage, +0.5 feet

Relative humidity, 79 7 a. m. 65 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

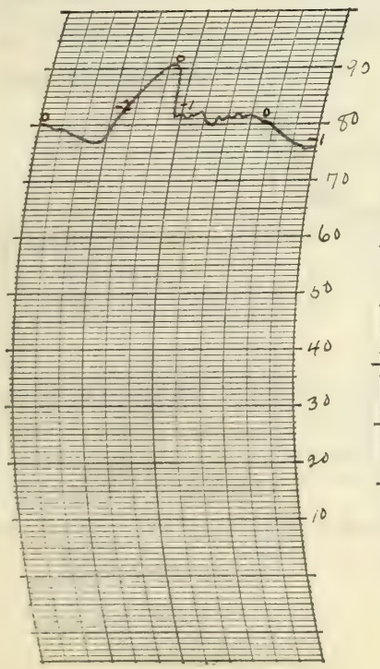
Dry temperature, 81.2 Wet temperature, 70.7

Dew-point, 66 R. humidity, 60 V. pressure, 638

Clouds: Amount, 4/3; Kind, Ac/Ci St; Direction, W/W

Velocity of clouds (miles per hour)

THERMOGRAPH



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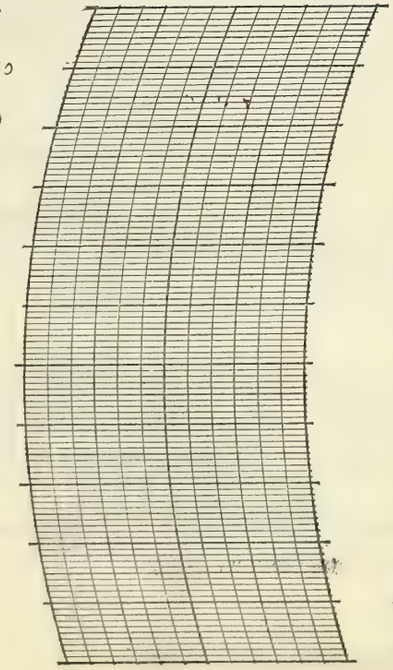
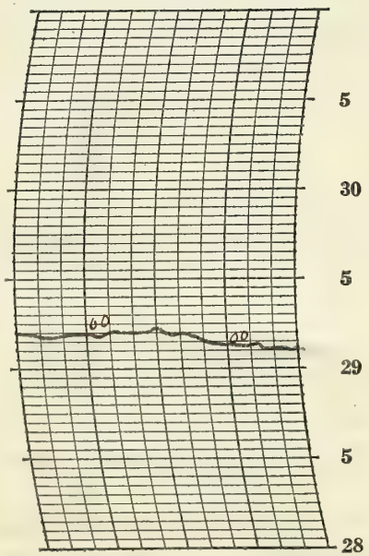


BAROGRAPH.



Prepared by L.C.S

Verified by L.C.S

8—486

NOTES

a sultry Part cloudy day. Of lying conditions excellent.
One heat prostration reported today.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUN 27 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	76	78	79	78	77	78	80	85	88	90	92	91
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←					Clear	
Sunshine (in tenths of hours)					.8 2 0	1.0 0	0.6 0.4	1.0	1.0	1.0	1.0	0.9
Wind direction	SW	SW	W	W	W	NW	W	NW	N	N	N	NW
Wind movement	9	7	8	7	4	2	4	6	5	4	5	7
Maximum velocities (exceeding 24 miles) direction and time												

Sunrise: Time, 4:11 Character, Clear

Moonrise: ——— ———

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	93	94	95	94	93	90	87	84	82	80	78	76
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Partly		→			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.9	0.5 0.5	1.0 0	.28 0				
Wind direction	N	NW	N	N	N	NE	NE	NE	NE	E	E	E
Wind movement	8	9	8	8	8	10	8	5	5	6	5	5
Maximum velocities (exceeding 24 miles) direction and time												

Sunset: Time, 7:17 Character, Clear

Moonset: ——— ———

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
95	75	85	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, ———

Average daily cloudiness (0-10), 3

Actual sunshine, hours, 14.9 Possible sunshine, hours, 15.1

Per cent of possible sunshine, 99

Prevailing wind direction, N Total wind, 153

Average hourly velocity, 6.4 Extreme velocity, 13

Maximum velocity, 13 Direction, N

Time began, 5:33 P

Reduced barometer, 30.03 a. m. 29.99 p. m.

River gage, +0.5 feet

Relative humidity, 79 a. m. 49 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

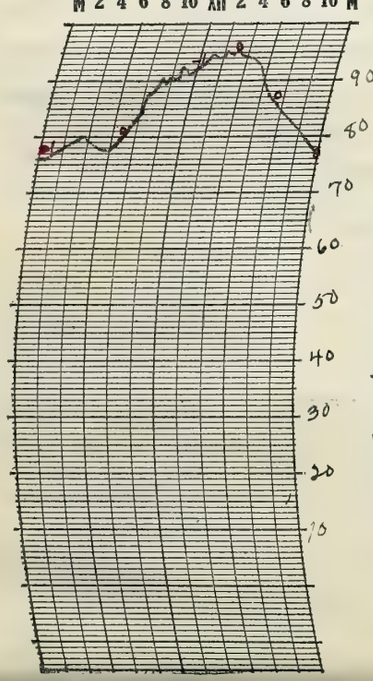
Dry temperature, 91.1 Wet temperature, 77.1

Dew-point, 72 R. humidity, 54 V. pressure, .783

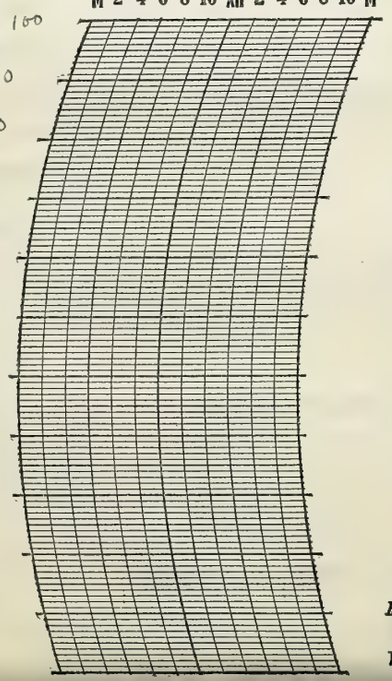
Clouds: Amount, 4; Kind, Cu; Direction, N

Velocity of clouds (miles per hour) ———

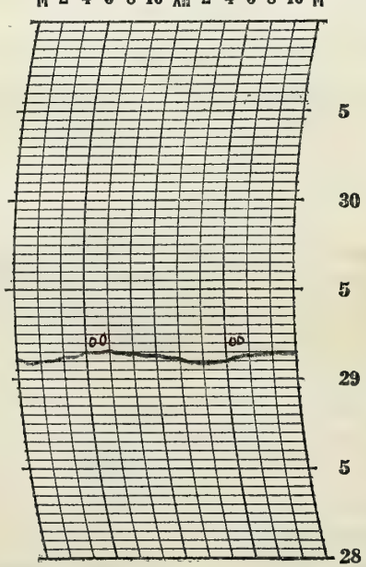
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by L.C.S

NOTES

A clear and very sultry day
new seasonal heat mark reached.
Flying conditions excellent

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUN 28 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	76	75	74	73	72	73	76	80	84	86	90	92
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions								Pt cldy				
Sunshine (in tenths of hours)					8.2 0	1.0 0	0.4 0.6	1.0	1.0	1.0	1.0	1.0
Wind direction	SE	E	E	SE	E	SE	SE	S	S	S	SW	SW
Wind movement	5	5	4	3	4	6	6	5	5	6	7	5

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	94	95	90	83	82	84	85	81	78	77	77	76
State of weather: Nature of precipitation and time of beginning and ending					RB 4:50 RE 5:00							
Amounts of precipitation					T							
Cloudiness and other conditions			Cldy				Pt cldy					
Sunshine (in tenths of hours)	1.0	0.8	0	0.1	0	0	0	0				
Wind direction	SW	SW	SW	NW	W	SE	S	SE	S	S	S	S
Wind movement	5	5	5	8	5	5	3	4	4	4	3	2

Maximum velocities (exceeding 24 miles) direction and time

Sunrise: Time, 4:11 Character, Clear

Moonrise:

Sunset: Time, 7:17 Character, Cloudy

Moonset:

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
95	72	84	

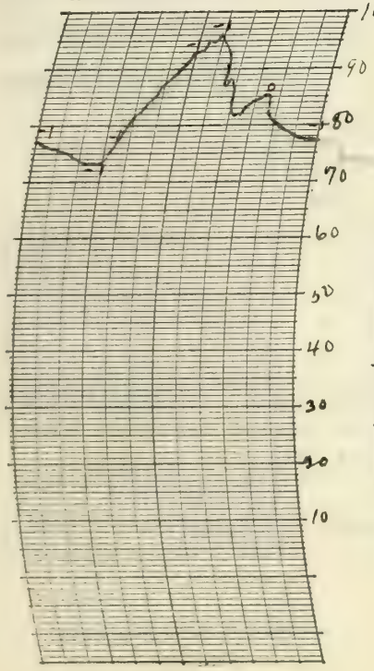
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cldy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 9.7 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 64
Prevailing wind direction, S Total wind, 114
Average hourly velocity, 4.8 Extreme velocity, 14
Maximum velocity, 14 Direction, SW
Time began, 3:50 P
Reduced barometer, 30.06 7a. m. 29.98 7p. m.
River gage, +0.4 feet
Relative humidity, 75 7a. m. 52 7p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

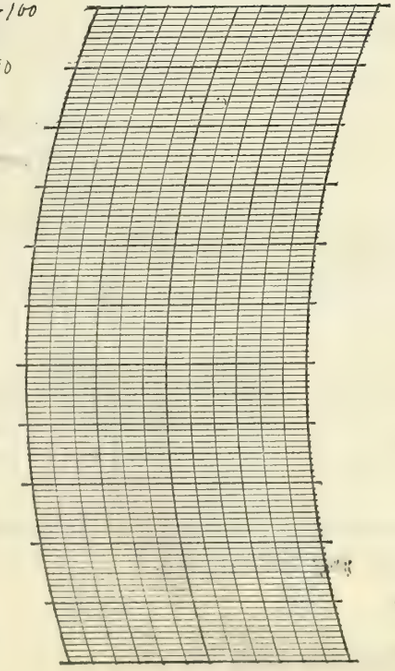
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 92.1 Wet temperature, 78.1
Dew-point, 73 R. humidity, 54 V. pressure, .810
Clouds: Amount, 4; Kind, Ci St; Direction, SW
Velocity of clouds (miles per hour)

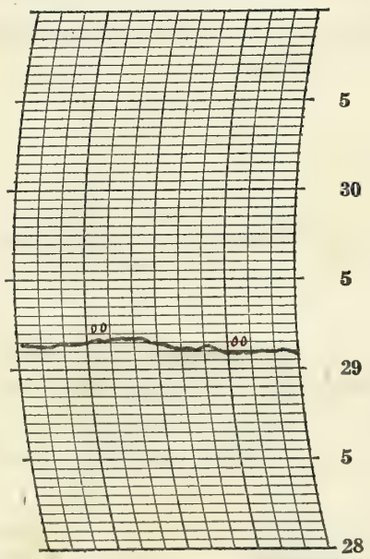
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by L.C.S

8—486

NOTES

a very sultry day. New season's high mark. Flying conditions excellent.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUN 29 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	76	77	75	74	75	73	74	70	69	71	72	72
							RB 6:36				RE 10:20	
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation							0.19	0.80	0.07	0.1	T	
Cloudiness and other conditions						← Cloudy						
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0
Wind direction	SW	NE	E	SE	E	SE	E	N	S	SW	SW	SW
Wind movement	5	9	9	7	8	10	6	6	6	6	10	12

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	75	80	82	82	80	80	78	77	76	75	74
	RB 12:30	RE 1:15										
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation	T	T										
Cloudiness and other conditions		Pt Clay							→			
Sunshine (in tenths of hours)	0	0	0.4	1.0	0.7	0	0	0				
Wind direction	SW	SW	SW	W	W	W	S	S	S	S	S	S
Wind movement	7	6	5	6	3	3	4	4	5	5	5	4

Sunrise: Time, 4:11 Character, Cloudy
Moonrise:
Sunset: Time, 7:17 Character, Cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts: 6:36A	10:20A	1.07	6.46A ~~7:09A~~	7:30A ~~7:29A~~	0.03 ~~0.35~~	0.07	0.14	0.18	0.30	.40	.61	.77	.88	.93					

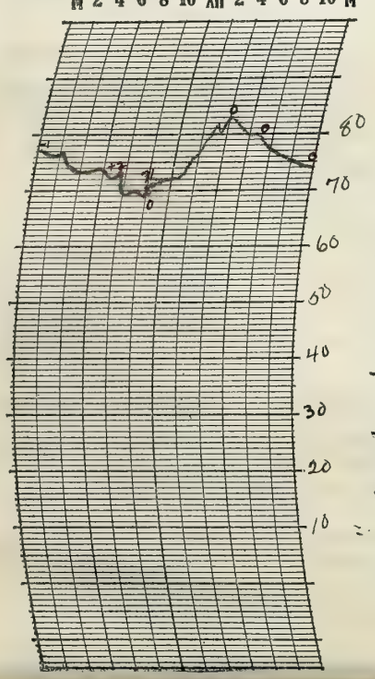
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
83	69	76	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .06 ins.; to 7 p. m., 1.01 ins.
Total precipitation, midnight to midnight, 1.07 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 2.1 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 14
Prevailing wind direction, SSW Total wind, 151
Average hourly velocity, Extreme velocity, 16
Maximum velocity, 15 Direction, S
Time began, 10:03A
Reduced barometer, 30.07 a. m. 29.98 p. m.
River gage, +0.4 feet
Relative humidity, 80 a. m. 75 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 72.1 Wet temperature, 70.1
Dew-point, 69 R. humidity, 91 V. pressure, .707
Clouds: Amount, 10; Kind, St Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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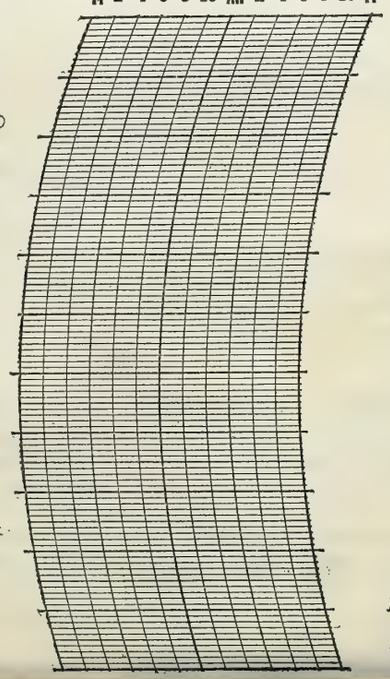
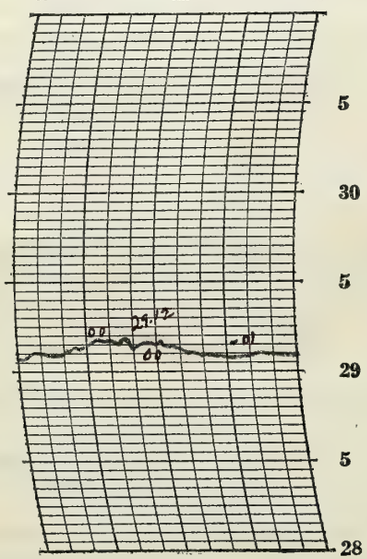


BAROGRAPH.



Prepared by L.C.S.

Verified by L.C.S.

8—456

NOTES

Two thunderstorms occurred during the 24 hour period the first of which was quite heavy, and moved in a Southwesterly course. Second was light and moved east. No damage reported locally. Flying conditions fair.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUN 30 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	73	72	71	71	71	72	73	76	80	83	85	87	89	91	92	91	93	91	89	88	86	84	82	81
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Ft Clay											Clear →							
Sunshine (in tenths of hours)					0	0	0	0	0.9	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.3 0.7	1.0 0	.28 0				
Wind direction	SW	SW	SW	SW	SW	SW	SW	E	SE	E	E	SE	SW	SW	SW	W	W	W	W	W	W	W	W	W
Wind movement	5	6	4	4	5	5	3	10	9	6	6	6	7	5	5	5	6	5	4	1	1	1	2	2
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4:12 Character, Cloudy
Moonrise:
Sunset: Time, 7:17 Character, Clear
Moonset:

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

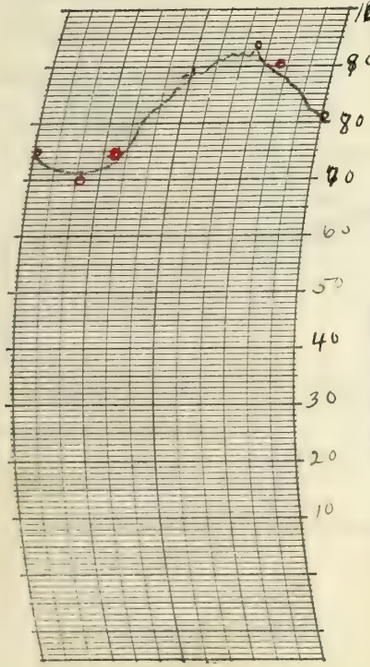
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
93	71	82	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 11.1 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 74
Prevailing wind direction, SW Total wind, 113
Average hourly velocity, 4.7 Extreme velocity, 17
Maximum velocity, 17 Direction, E
Time began, 7:23 A.
Reduced barometer, 30.03 7 a. m. 29.92 7 p. m.
River gage, +1.3 Feet
Relative humidity, 86 7 a. m. 60 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)
Dry temperature, 86.7 Wet temperature, 73.7
Dew-point, 68 R. humidity, 54 V. pressure, .684
Clouds: Amount, 4; Kind, Cirr.; Direction, S
Velocity of clouds (miles per hour)

THERMOGRAPH



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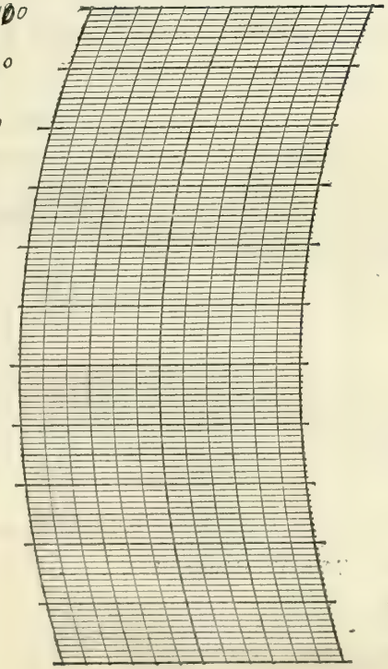
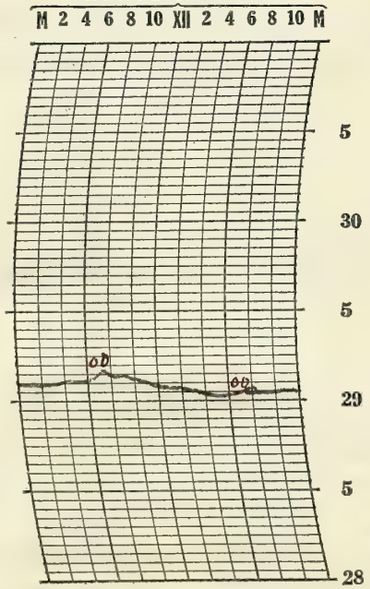


BAROGRAPH.



Prepared by L.C.S.
Verified by L.C.S

8—486

NOTES

a sultry day: Flying conditions excellent.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUL 1 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	80	79	78	76	77	79	82	86	90	92	92	93	69	72	81	83	82	84	84	82	80	78	78	78
													RB 12:25	RE 1:55										
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation													0.27	0.51										
Cloudiness and other conditions											Clear					Cldy				Pt cldy				
Sunshine (in tenths of hours)					.80 0	1.0 0	0.5 0.5	1.0	1.0	1.0	1.0	0.6	0	0	0	0.2	0	0.5	0	0				
Wind direction	W	W	SW	SW	W	W	W	W	SW	SW	W	SW	E	NW	NW	N	N	S	S	SW	SW	S	S	S
Wind movement	3	3	4	4	3	2	5	4	5	5	5	5	15	13	7	4	4	6	3	5	5	3	2	2
Maximum velocities (exceeding 24 miles) direction and time													E-31 12:50											

Sunrise: Time, 4:12 Character, Clear

Moonrise:

Sunset: Time, 7:17 Character, Cloudy

Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
12:25P	1:55P	0.78	1:13P	1:28P	0.34	0.16	0.31	0.39											

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
93	69	81	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0.78 ins.

Total precipitation, midnight to midnight, 0.78 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10), 5

Actual sunshine, hours, 8.1 Possible sunshine, hours, 15.1

Per cent of possible sunshine, 54

Prevailing wind direction, SW & W Total wind, 11.7

Average hourly velocity, 4.9 Extreme velocity, 3.5

Maximum velocity, 31 Direction, E

Time began, 12:50 P

Reduced barometer, 29.95 7 a. m. 29.88 7 p. m.

River gage, +1.9 feet

Relative humidity, 80 7 a. m. 71 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

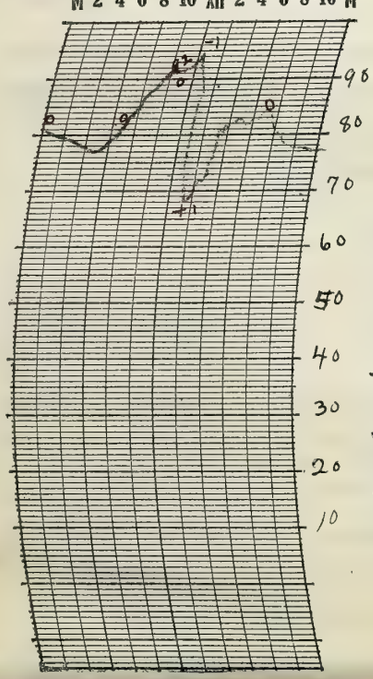
Dry temperature, 92.8 Wet temperature, 79.3

Dew-point, 74 R. humidity, 56 V. pressure, .838

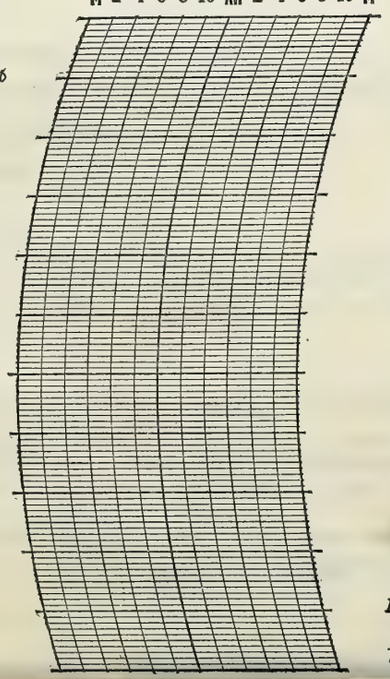
Clouds: Amount, 4; Kind, Cu; Direction, SW

Velocity of clouds (miles per hour)

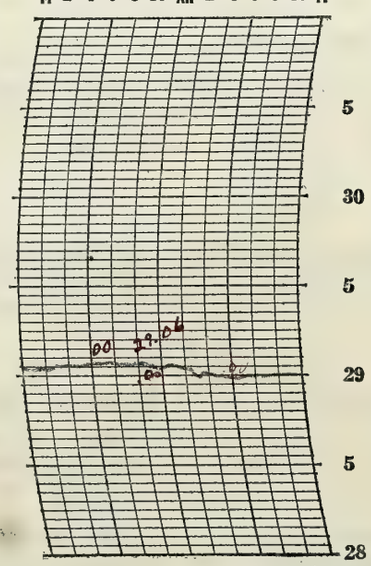
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. S. H

NOTES

Thunderstorm formed in S.E. part of town and moved in N.W. doing much damage.

Wind shifted much causing great damage.

Wind reached maximum of 31 miles.

Street cars and factories temporarily halted from break in lines.

About $500 damage to winter St Plant of G.E.Co caused by broken windows.

City Light Co reported $150 damage to lines from falling limbs.

Large building of Wilson Lumber Co blown down.

S—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

JUL 2 1931

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) _____, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	77	77	75	74	74	75	80	84	87	89	91	94	94	96	83	79	81	82	83	81	80	79	78	78
State of weather: Nature of precipitation and time of beginning and ending															R B 2:40	R E 3:35								
Amounts of precipitation															0.32	.01								
Cloudiness and other conditions						←						Pt Cldy			×	Cldy					→			
Sunrise: Time, 4:13 Character, Clear																					Sunset: Time, 7:17 Character, Cloudy			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)					.78 0	1.0 0	0.4 0.6	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.2	0	0	0	0	0				
Wind direction	S	S	S	S	N	N	N	N	NE	NW	W	W	W	W	NW	E	NE	NE	NE	N	N	N	NE	NE
Wind movement	2	2	1	3	1	2	2	3	4	4	4	5	5	6	8	6	3	5	5	6	5	4	5	6
Maximum velocities (exceeding 24 miles) direction and time																								

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

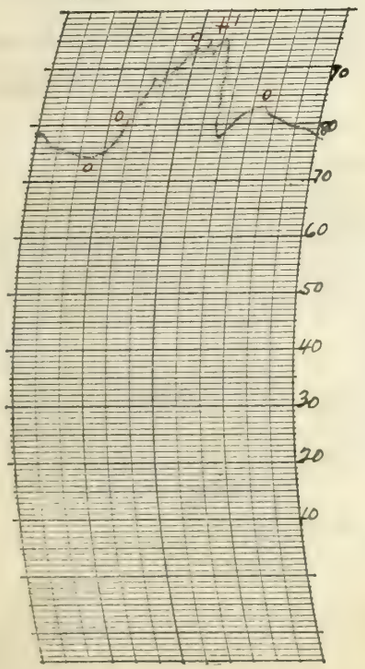
	Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
	96	74	85	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0.33 ins.
Total precipitation, midnight to midnight, 0.33 inches.
Character of day, Pt Cldy Moon phase, _____
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 9.9 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 66
Prevailing wind direction, N Total wind, 97
Average hourly velocity, 4.0 Extreme velocity, 17
Maximum velocity, 17 Direction, NE
Time began, 2:32 P
Reduced barometer, 29.92 7 a. m. 29.89 7 p. m.
River gage, +2.4 feet
Relative humidity, 80 7 a. m. 77 7 p. m.

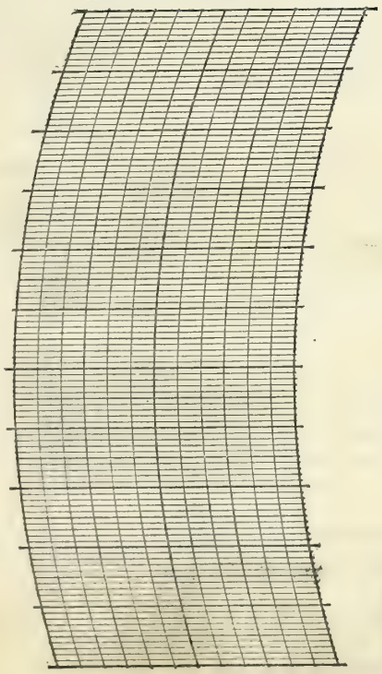
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 94.0 Wet temperature, 78.0
Dew-point, 72 R. humidity, 49 V. pressure, .783
Clouds: Amount, 4; Kind, Ci St; Direction, W
Velocity of clouds (miles per hour) _____

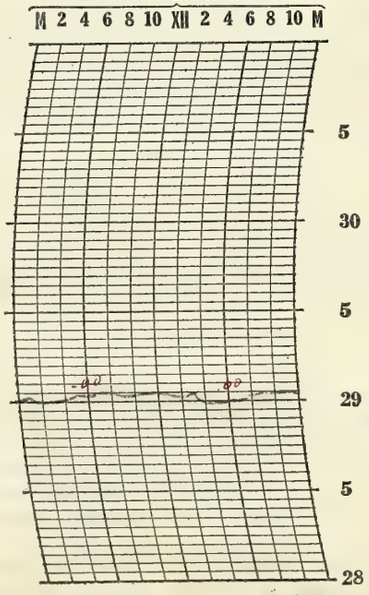
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

a part cloudy day. A moderate thunderstorm occurred during the afternoon but no damage was reported.

Flying conditions good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUL 8 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	77	76	75	75	75	75	77	77	78	80	81	82	84	83	84	86	85	81	78	76	75	73	73	73
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Pt Clay																	
Sunshine (in tenths of hours)					.78 0	1.0 0	1.0 0	1.0 0	0.7 0.3	0.9	1.0	1.0	1.0	0.6	1.0	1.0	0.6	0	0	0				
Wind direction	NE	NE	NE	N	N	N	N	N	N	NE	NE	N	N	N	N	N	N	N	N	N	NE	N	N	NE
Wind movement	4	5	5	6	6	9	10	10	11	11	9	12	10	12	14	12	11	11	9	7	7	7	7	7
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4:13 Character, Clear
Moonrise:
Sunset: Time, 7:17 Character, Cloudy
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

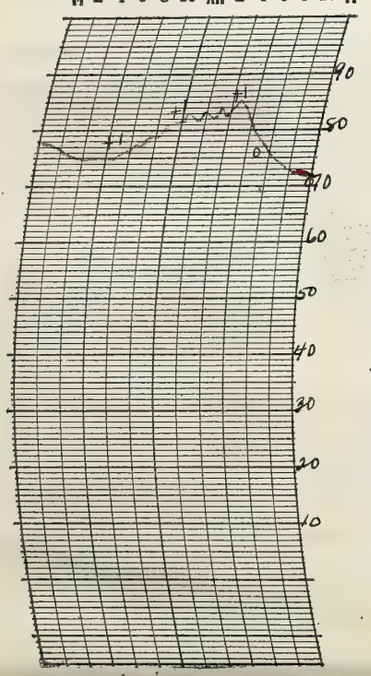
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
86	73	80	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Clay Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 11.9 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 79
Prevailing wind direction, N Total wind, 212
Average hourly velocity, 8.8 Extreme velocity, 16
Maximum velocity, 16 Direction, N
Time began, 2:18 P
Reduced barometer, 29.96 7 a. m. 28.92 7 p. m.
River gage, +2.5 feet
Relative humidity, 81 7 a. m. 53 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 82.1 Wet temperature, 71.1
Dew-point, 66 R. humidity, 58 V. pressure, .638
Clouds: Amount, 4/3; Kind, Cu cu; Direction, NE
Velocity of clouds (miles per hour)

THERMOGRAPH



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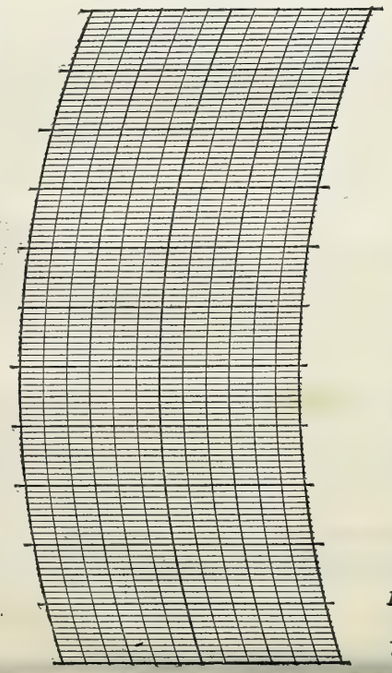
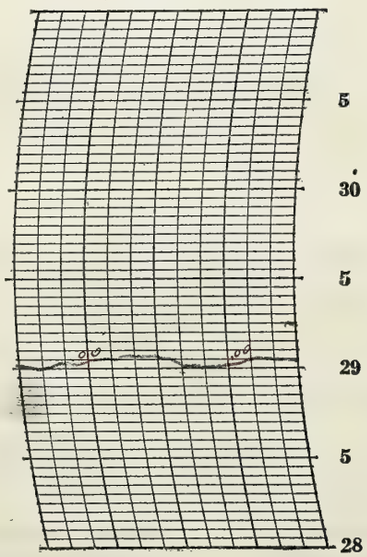


BAROGRAPH.



Prepared by L. C. S.
Verified by E. L. H

8—486

NOTES

a part Cloudy day Suitable for flying

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUL 4 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	69	68	67	65	67	69	72	75	77	79	82	83	84	85	86	86	85	83	80	77	75	73	72
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Clear																		
Sunshine (in tenths of hours)					.77 0	0.9 0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4 0.6	1.0 0	.27 0				
Wind direction	NE	NE	N	NE	NE	NE	N	NE	NE	NE	NE	E	E	E	E	E	NE	NE	E	E	E	E	E	E
Wind movement	7	6	7	7	5	8	10	11	7	8	7	6	7	9	9	9	9	8	6	5	6	8	7	8

Sunrise: Time, 4:14 Character, Clear
Moonrise:
Sunset: Time, 7:16 Character, Clear
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

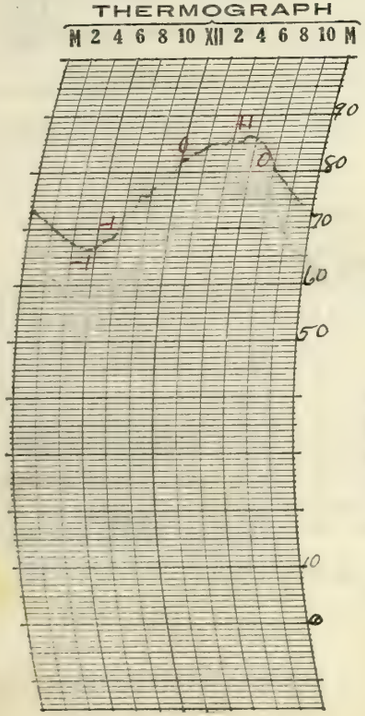
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
87	65	76	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 15.0 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 100
Prevailing wind direction, NE + E Total wind, 180
Average hourly velocity, 7.5 Extreme velocity, 16
Maximum velocity, 16 Direction, NE
Time began, 6:52 A
Reduced barometer, 29.97 7 a. m. 29.81 7 p. m
River gage, +1.7 feet
Relative humidity, 64 7 a. m. 48 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 82.0 Wet temperature, 66.5
Dew-point, 58 R. humidity, 44 V. pressure, .482
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

THERMOGRAPH



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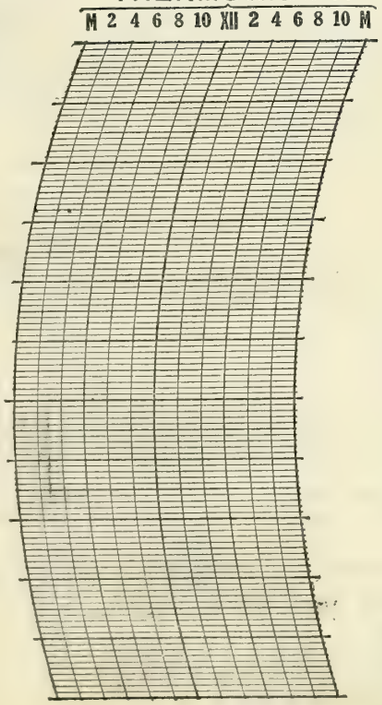
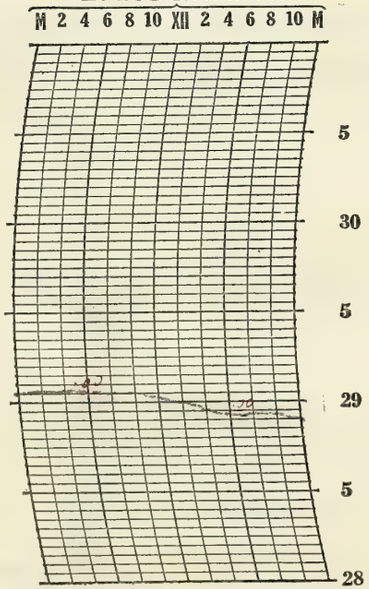


BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.H

8—486

NOTES

a Clear day. Suitable for flying.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUL 5 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	70	69	68	68	73	76	79	83	84	87	86
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Pt Clay			×	Cloudy		
Sunshine (in tenths of hours)					.75 0	1.0 0	1.0 0	0.4 0.6	1.0	0.9	0.9	0.8
Wind direction	E	E	E	E	E	SE	SE	S	S	S	S	S
Wind movement	8	7	7	7	5	7	7	9	10	12	14	15

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	81	74	79	80	77	76	74	71	70	68	66
Nature of precipitation and time of beginning and ending	R.B. 12:05 R.E. 12:35		R.B. 2:04	R.E. 3:10								
Amounts of precipitation	0.38		0.41	T								
Cloudiness and other conditions			×	Pt Clay								
Sunshine (in tenths of hours)	0	0.8	0	0.2	0	0	1.0 0	.27 0				
Wind direction	SW	SW	SE	SW	W	W	W	W	W	W	SW	W
Wind movement	9	7	7	6	12	13	10	10	8	4	5	5

Sunrise: Time, 4:15 Character, Clear
Moonrise:
Sunset: Time, 7:16 Character, Clear
Moonset:

State of weather.

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
2:04P	3:10P	0.41	2:08P	2:20P	.01	0.23	0.30	0.37											

Excessive precipitation, accumulated amounts

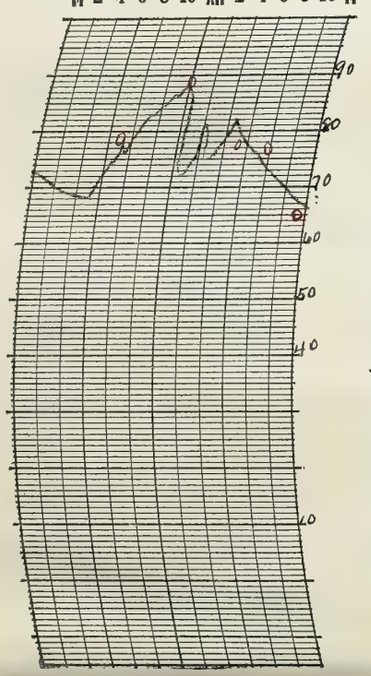
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
87	66	76	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0.79 ins.
Total precipitation, midnight to midnight, 0.79 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 9.6 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 64
Prevailing wind direction, W Total wind, 204
Average hourly velocity, 8.5 Extreme velocity, 19
Maximum velocity, 19 Direction, W
Time began, 4:53P
Reduced barometer, 29.67 7 a. m. 29.62 7 p. m.
River gage, +1.7
Relative humidity, 74 7 a. m. 70 7 p. m.

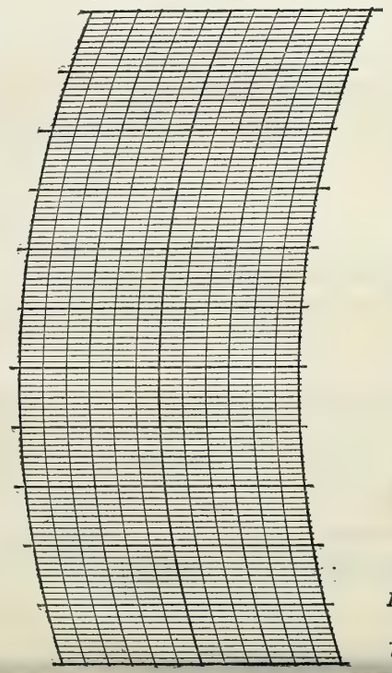
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 86.0 Wet temperature, 76.0
Dew-point, 72 R. humidity, 63 V. pressure, 28.3
Clouds: Amount, 9; Kind, St Cu; Direction, W
Velocity of clouds (miles per hour)

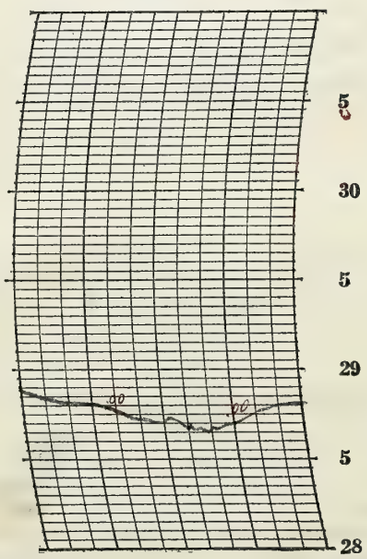
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H

8—426

NOTES

Two thunderstorms occurred during the day the latter being more severe During the latter Kenneth waters age 13 of R.R. 1 Ft Wayne was killed by a bolt of lightning while seeking shelter in a hollow tree

7 lying conditions fair

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUL 6 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	66	65	66	66	66	66	69	69	71	71	74	76	77	78	79	80	80	81	80	77	75	74	72	70
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← cldy			— x —	pt cldy				— x —		Clear						→	
Sunshine (in tenths of hours)					0	0	0	0	0.1	0.3	0.8	1.0	0.8	0.9	1.0	0.8	0.8	0.5 0.5	1.0 0	.27 0				
Wind direction	W	W	W	W	W	NW	NW	W	W	SW	SW	SW	SW	W	SW	SW	SW	SW	SW	S	S	S	S	S
Wind movement	6	4	4	3	3	3	3	3	4	4	5	4	6	6	5	4	5	3	3	4	4	4	3	4

Sunrise: Time, 4:15 Character, Cloudy
Moonrise:
Sunset: Time, 7:16 Character, Clear
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

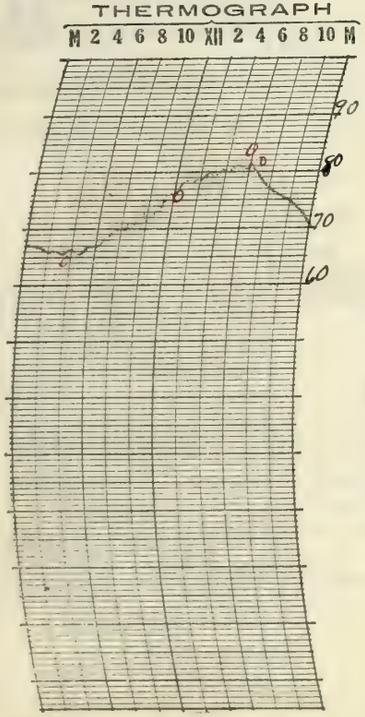
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
81	65	73	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt cldy Moon phase,
Average daily cloudiness (6-10), 5
Actual sunshine, hours, 8.8 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 59
Prevailing wind direction, SW Total wind, 97
Average hourly velocity, 4.0 Extreme velocity, 8
Maximum velocity, 8 Direction, W
Time began, 1:03 P
Reduced barometer, 29.84 7 a. m. 29.84 7 p. m.
River gage, +1.4 feet
Relative humidity, 72 7 a. m. 55 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 76.5 Wet temperature, 59.0
Dew-point, 46 R. humidity, 34 V. pressure, .310
Clouds: Amount, 5; Kind, a cu.; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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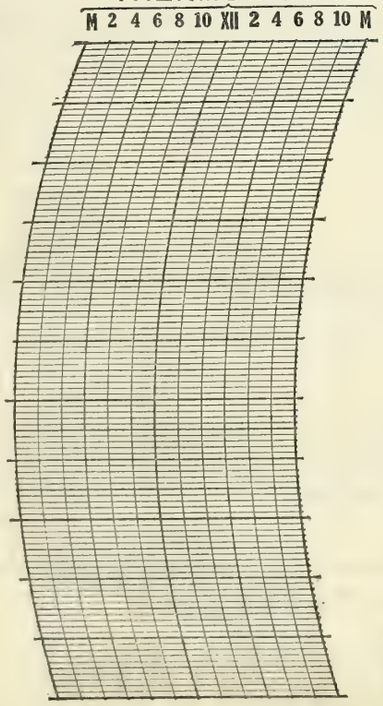
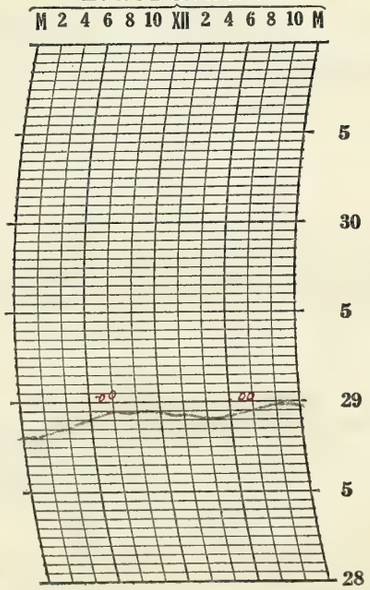


BAROGRAPH.



Prepared by L.C.S.

Verified by E.F.H

8—486

NOTES

a part cloudy day. 7 lying conditions excellent

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUL 7 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	69	69	66	66	65	67	70	75	79	81	84	84	85	86	87	88	85	82	79	76	73	73	72	69
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	← Clear →																							
Sunshine (in tenths of hours)					.73 0	1.0 0	0.2 0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.7	0.2	0.5 0	1.0 0	.27 0				
Wind direction	SE	S	S	S	S	S	SW	S	SW	SW	SW	SW	SW	SW	SW	SW	W	NW	NW	NW	N	NW	NW	W
Wind movement	6	5	4	4	3	5	6	7	8	8	8	10	10	8	9	9	10	11	10	7	5	5	2	3
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4:16 Character, Clear
Moonrise:
Sunset: Time, 7:16 Character, Clear
Moonset:

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

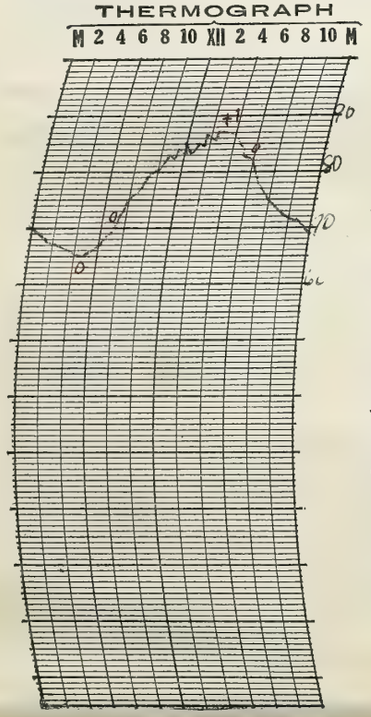
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
88	65	76	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 13.1 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 87%
Prevailing wind direction, SW Total wind, 163
Average hourly velocity, 6.8 Extreme velocity, 15
Maximum velocity, 15 Direction, NW
Time began, 5:42 p.m.
Reduced barometer, 29.91 7 a. m. 29.92 7 p. m.
River gage, +0.7 feet
Relative humidity, 75 7 a. m. 56 7 p. m.

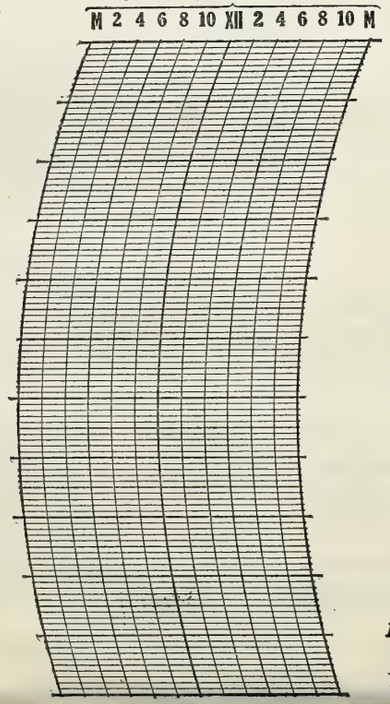
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 84.1 Wet temperature, 68.1
Dew-point, 60 R. humidity, 44 V. pressure, .517
Clouds: Amount, 1; Kind, Ac cu; Direction, W
Velocity of clouds (miles per hour)

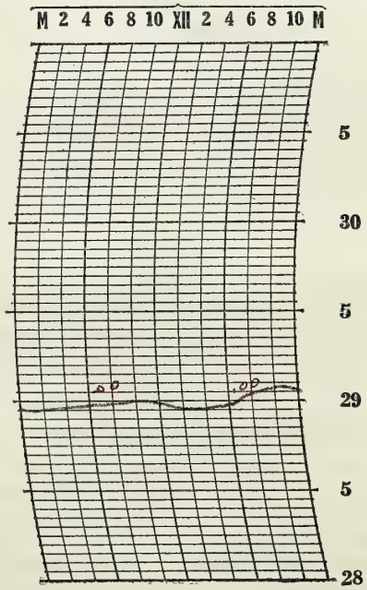
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S. & E. L. H.

Verified by E. L. H.

NOTES

A clear beautiful day with a few high scattered clouds in late afternoon.

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUL 8 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	65	65	65	63	64	68	72	73	74	75	75	76	77	78	79	80	79	78	72	69	68	66	65
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions												Clear												
Sunshine (in tenths of hours)					.73 0	1.0 0	02 0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0	0				
Wind direction	W	W	W	NW	NW	NW	N	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	N	N
Wind movement	3	4	7	7	5	5	8	8	8	10	8	10	8	8	8	7	6	7	5	6	6	6	5	3
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4:16 Character, Clear
Moonrise:
Sunset: Time, 7:15 Character, Clear
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

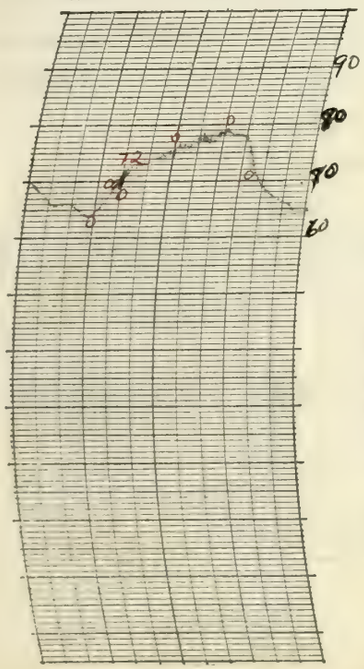
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
80	63	72	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., ____ ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ____
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 15.0 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 100
Prevailing wind direction, N.W. Total wind, 158
Average hourly velocity, 6.6 Extreme velocity, 12
Maximum velocity, 12 Direction, N.W.
Time began, 12:18 P.M.
Reduced barometer, 30.08 7 a. m. 30.09 7 p. m.
River gage, 0.5 feet
Relative humidity, 59 7 a. m. 37 7 p. m.

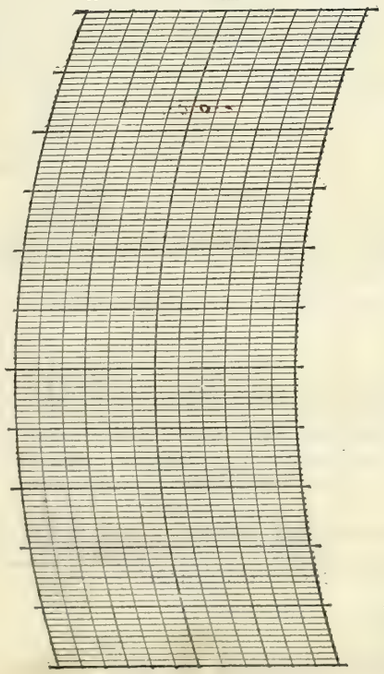
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 75.3 Wet temperature, 59.8
Dew-point, 49 R. humidity, 39 V. pressure, 347
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour) ____

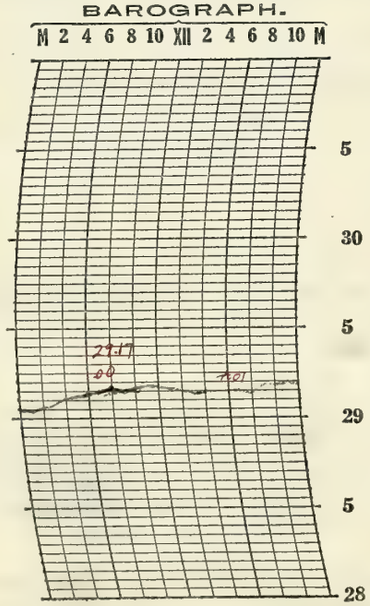
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by E. L. H.

Verified by E. L. H.

8—486

NOTES

A clear beautiful day. No clouds were observed from sunrise to sunset.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

JUL 9 1931

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) , 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	63	59	62	60	65	67	72	75	78	79	80	81	81	81	83	79	78	77	74	71	70	68	67
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	← Part Cloudy →																							
Sunrise: Time, 4:17 Character, Clear																					Sunset: Time, 7:15 Character, Cloudy			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)					.72 0	0.50 0	0.1	0.8	0.5	1.0	1.0	0.8	0.8	0.6	0.5	0.7	0.5	0	0	0				
Wind direction	N	N	N	NW	NE	NE	NE	E	E	N	N	NW	NW	NW	NW	NW	W	NW	N	N	N	N	N	N
Wind movement	4	2	2	2	2	2	2	5	2	3	5	4	5	6	5	4	5	8	7	8	6	7	8	7
Maximum velocities (exceeding 24 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

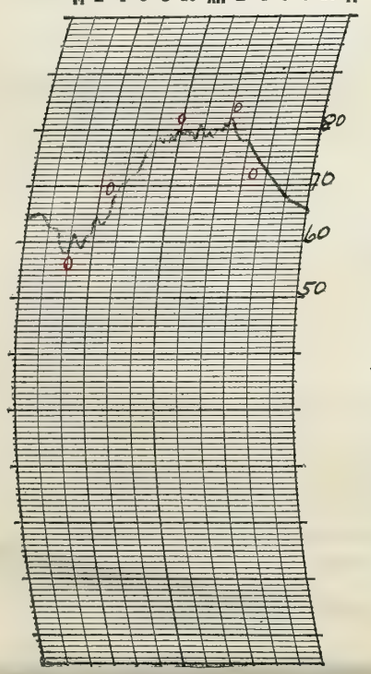
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
	59		

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day Part Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 8.5 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 57%
Prevailing wind direction, N Total wind, 111
Average hourly velocity, 4.6 Extreme velocity, 10
Maximum velocity, 10 Direction, N
Time began, 6.44 p.m.
Reduced barometer, 30.16 7 a. m. 30.06 7 p. m.
River gage, 0.3 feet
Relative humidity, 54 7 a. m. 56 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 80.1 Wet temperature, 61.1
Dew-point, 48 R. humidity, 32 V. pressure, .334
Clouds: Amount, 3 4; Kind, cir cu; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH



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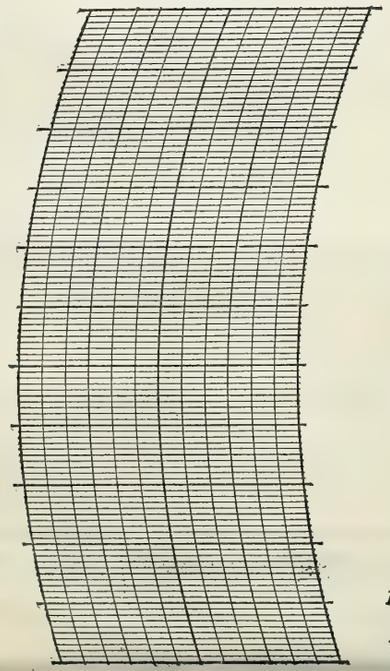
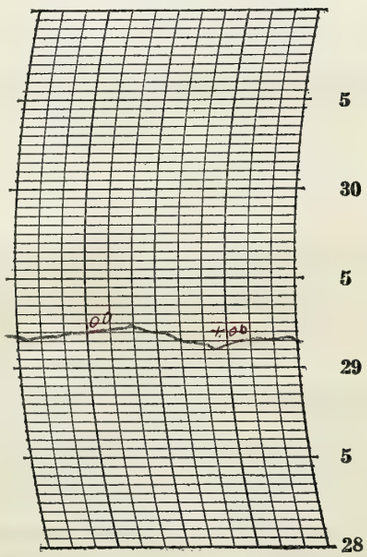


BAROGRAPH.



Prepared by E.L.H

Verified by E.L.H

8—486

NOTES

The sun shone through high broken clouds most of the day, a moderately cool, beautiful day.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUL 10 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	65	65	62	63	60	62	65	66	69	71	73	75	76	77	78	74	75	74	72	69	67	65	64	61
State of weather: Nature of precipitation and time of beginning and ending																RB 3:02 RE 3:04								
Amounts of precipitation																T								
Cloudiness and other conditions								Cloudy						Partly		Cloudy				Clear				
Sunshine (in tenths of hours)					0	0	0	0.1	0.3	0.6	0.7	0.8	0.9	0.8	0.7	0.6	1.0	1.0 0	1.0 0	2.5 0				
Wind direction	NE	NW	N	NE	N	NE	NE	N	N	N	N	N	N	N	N	N	NE	N	N	N	N	N	N	N × &
Wind movement	4	10	8	6	6	7	7	6	4	6	8	8	8	7	7	13	8	11	8	5	3	3	2	2
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4:18 Character, Cloudy
Moonrise:
Sunset: Time, 7:15 Character, Clear
Moonset:

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

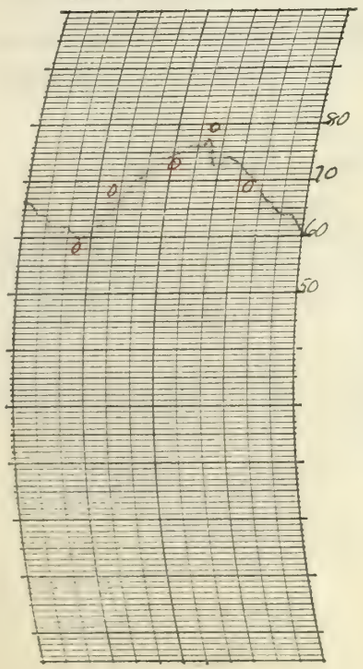
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
78	60	69	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Part Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 8.8 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 59 %
Prevailing wind direction, N Total wind, 157
Average hourly velocity, 6.5 Extreme velocity, 17
Maximum velocity, 17 Direction, N
Time began, 3:08 P.M.
Reduced barometer, 30.10 7 a. m. 30.03 7 p. m
River gage, 0.4 Feet
Relative humidity, 73 7 a. m. 44 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 74.8 Wet temperature, 58.8
Dew-point, 47 R. humidity, 38 V. pressure, 322
Clouds: Amount, 3; Kind, Cu; Direction, N
Velocity of clouds (miles per hour)

THERMOGRAPH



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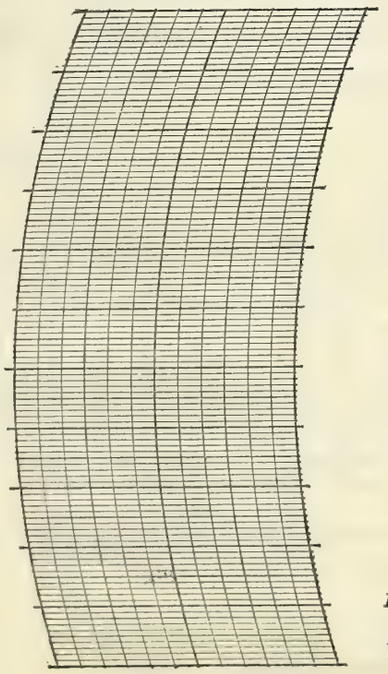
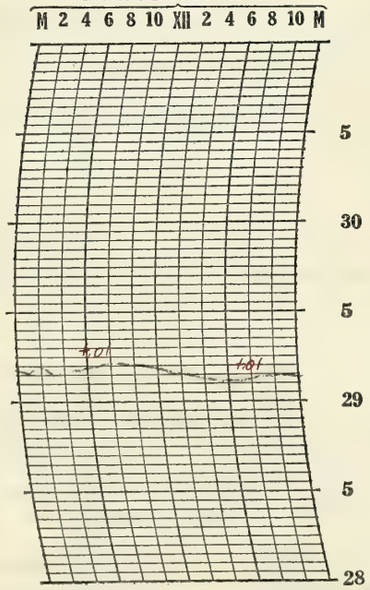


BAROGRAPH.



Prepared by E.L.H.

Verified by E.L.H

8—486

NOTES

A partly cloudy day, mostly high clouds, however, some cumulus clouds formed in afternoon and from 3:00 P.M. until 3:15 P.M. unsettled weather prevailed in the vicinity of the station, and a light shower occurred in the northeast. A few large drops of water fell at the station. The sky cleared up within in a few minutes and the evening was beautiful.

× Estimated clock slow

⊗ Interpolated clock stopped

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUL 11 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	60	59	58	57	55	58	63	70	73	74	75	76
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)					7.0 0	1.0 0	0.7 0.3	1.0	1.0	0.8	0.7	0.7
Wind direction	N	N	N	N	NW	NW	NW	NW	NW	N	N	NW
Wind movement	3	3	4	4	4	4	3	3	4	5	5	5

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	77	78	78	78	80	79	78	74	70	67	65	64
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	0.4	0.9	0.7	0.6	1.0	0.5 0.5	1.0 0	2.3 0				
Wind direction	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	N
Wind movement	6	7	7	6	6	4	3	2	3	5	6	5

Clear

Sunrise: Time, 4:18 Character, Clear

Moonrise:

Sunset: Time, 7:14 Character, Clear

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
80	55	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 2

Actual sunshine, hours, 12.7 Possible sunshine, hours, 14.9

Per cent of possible sunshine, 85

Prevailing wind direction, NW Total wind, 107

Average hourly velocity, 4.5 Extreme velocity, 8

Maximum velocity, 8 Direction, NW

Time began, 9:45 P.M.

Reduced barometer, 30.11 7 a. m. 30.09 7 p. m.

River gage, 0.4 feet

Relative humidity, 69 7 a. m. 28 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

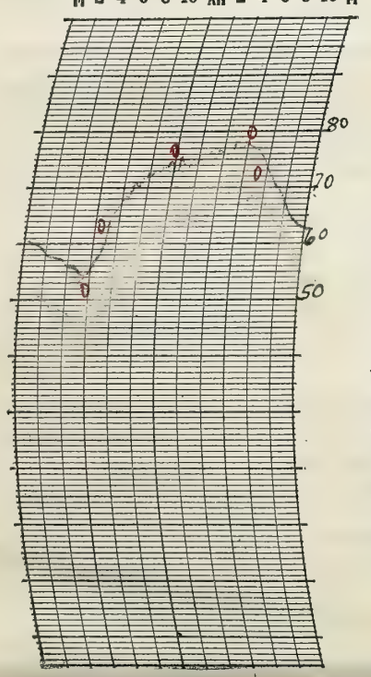
Dry temperature, 75.8 Wet temperature, 59.0

Dew-point, 46 R. humidity, 36 V. pressure, 310

Clouds: Amount, 3; Kind, Cu; Direction, NW

Velocity of clouds (miles per hour)

THERMOGRAPH



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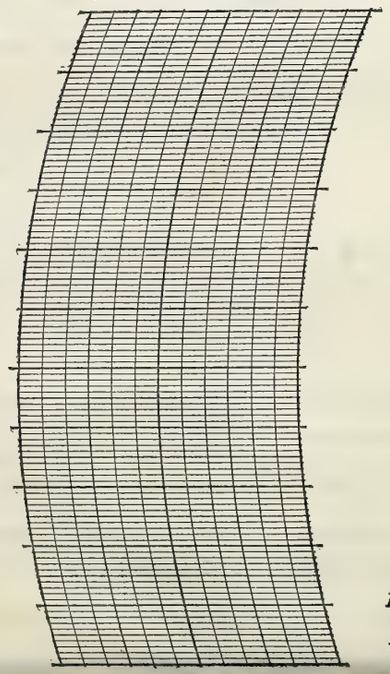
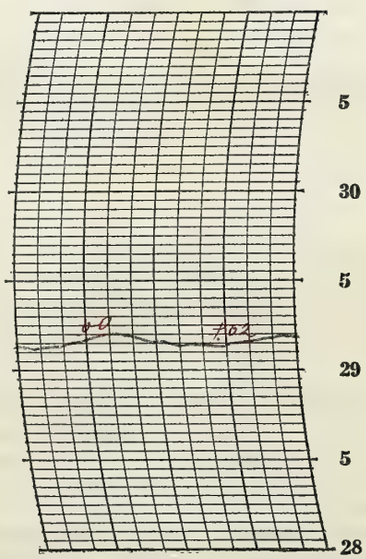


BAROGRAPH.



Prepared by E.L.H

Verified by E.L.H

8—486

NOTES

Estimated clock stopped.

⊗ Interpolated clock stopped.

Sun shone most of day. However, the sky was partly cloudy between 1:00 & 1:30 P.M. and it looked like rain during that time. No precipitation occurred in this section.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUL 12 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	63	60	59	57	59	66	70	75	78	78	80	79	77	75	75	78	77	76	74	72	72	69	69
State of weather: Nature of precipitation and time of beginning and ending															RB 2:06 RE 2:10									
Amounts of precipitation															T									
Cloudiness and other conditions			←										Cloudy										→	
Sunrise: Time, 4:19 Character, Clear																					Sunset: Time, 7:14 Character, Cloudy			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)					6.8 0	1.0 0	0.2 0	0.1	1.0	1.0	1.0	0.8	0	0	0	0	0.5	0	0	0				
Wind direction	N	N	N	N	N	N	N	SE	S	S	SW	SW	SW	NW	NW	N	N	E	E	E	E	SE	SE	SE
Wind movement	3	3	1	1	1	2	2	4	5	5	6	6	6	6	5	4	5	6	4	7	5	5	6	5
Maximum velocities (exceeding 24 miles) direction and time																								

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
80	57	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 6.3 Possible sunshine, hours, 14.9
Per cent of possible sunshine, 42 %
Prevailing wind direction, N Total wind, 103
Average hourly velocity, 4.3 Extreme velocity, 9
Maximum velocity, 9 Direction, E
Time began, 7:33 PM.
Reduced barometer, 30.15 7 a. m. 30.06 7 p. m
River gage, 0.3 Feet
Relative humidity, 62 7 a. m. 49 7 p. m.

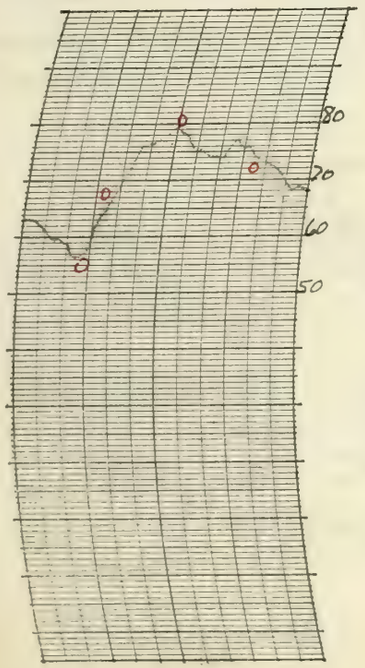
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 80.0 Wet temperature, 59.0
Dew-point, 43 R. humidity, 27 V. pressure, .277
Clouds: Amount, 5/4; Kind, cu/ast; Direction, SW/SW
Velocity of clouds (miles per hour)

THERMOGRAPH



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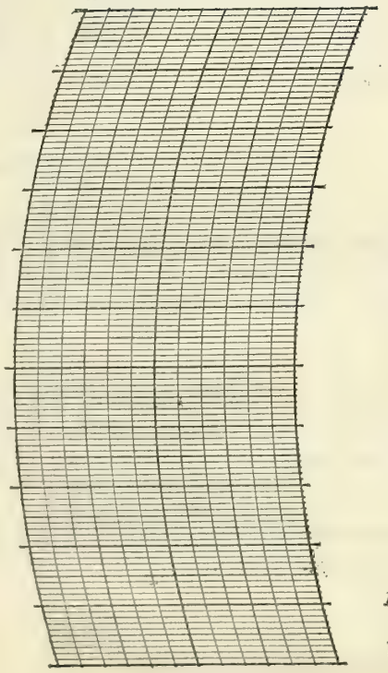
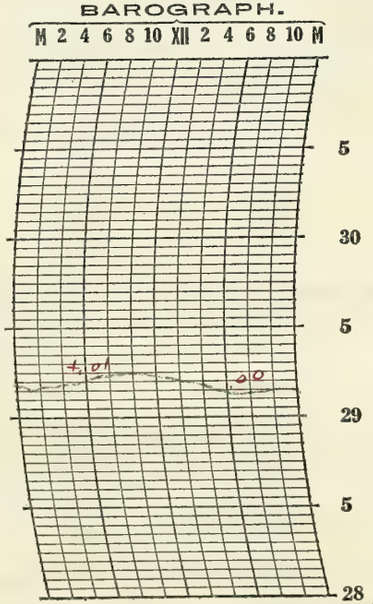


BAROGRAPH.



Prepared by E.L.H.

Verified by E.L.H

8—486

NOTES

A cloudy day with sunshine through upper clouds in the morning, the clouds becoming thicker by noon (mostly st cu) and no sunshine until evening. A few drops of rain fell between 2:06 and 2:10 P.M.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUL 13 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	69	69	69	69	68	69	69	72	76	80	83	84
State of weather: Nature of precipitation and time of beginning and ending	RB DNA											
	RE DNA											
Amounts of precipitation	T											
Cloudiness and other conditions									Cloudy			
Sunrise: Time, 4:20 Character, cloudy												
Moonrise:												
Sunshine (in tenths of hours)						0	0	0.2	0.4	0.5	0.4	0
Wind direction	SE	SE	SE	S	S	S	S	W	S	SW	S	SW
Wind movement	5	6	5	6	4	5	4	2	4	4	4	4

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	86	87	88	89	89	88	85	80	78	76	74	73
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			x pt cldy			x	clear					
Sunset: Time, 7:13 Character, Clear												
Moonset:												
Sunshine (in tenths of hours)	1.0	0.8	0.9	0.8	0.9	0.5 0.3	1.0 0	2.2 0				
Wind direction	SW	SW	SW	W	W	W	W	SW	N	N	NE	NE
Wind movement	6	9	10	9	7	7	5	6	6	6	5	5

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
89	68	78	

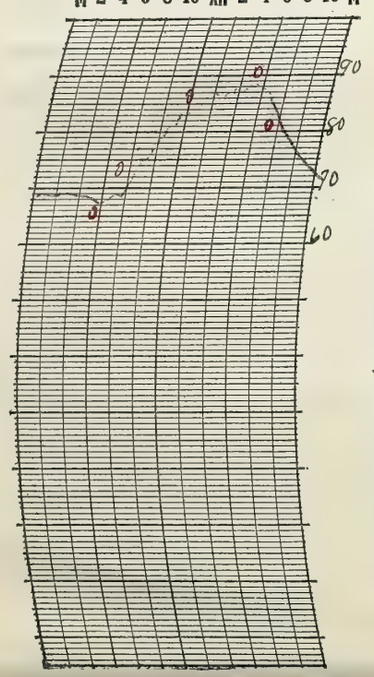
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Partly Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 7.9 Possible sunshine, hours, 14.9
Per cent of possible sunshine, 53 %
Prevailing wind direction, S Total wind, 134
Average hourly velocity, 5.6 Extreme velocity, 12
Maximum velocity, 12 Direction, SW
Time began, 2:00 P.M.
Reduced barometer, 30.04 7 a. m. 29.92 7 p. m.
River gage, 0.1 feet
Relative humidity, 61 7 a. m. 43 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 83.8 Wet temperature, 67.8
Dew-point, 60 R. humidity, 44 V. pressure, .517
Clouds: Amount, 5; Kind, cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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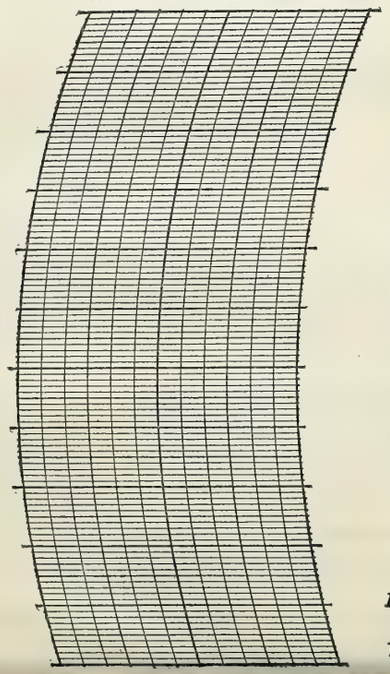
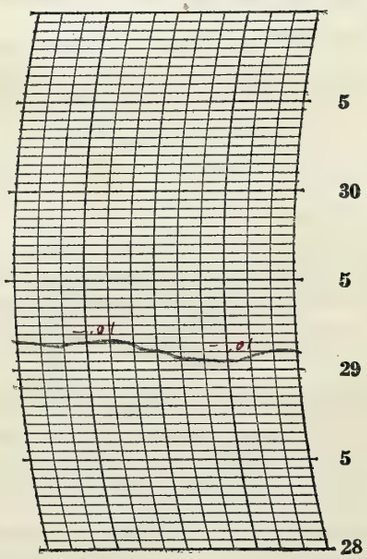


BAROGRAPH.



Prepared by E. L. H

Verified by E. L. H

8—486

NOTES

a partly cloudy warm day.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUL 14 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	70	69	69	68	71	74	80	84	87	88	90	92	93	94	95	94	93	92	88	83	82	81	80
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions												Clear												
Sunshine (in tenths of hours)					.65 0	1.0 0	0.7 0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	0.8	0.6 0.1	1.0 0	.22 0				
Wind direction	NE	NE	NE	E	E	E	E	E	NE	NE	NE	W	W	W	W	W	W	SW	SW	SW	SW	SW	S	S
Wind movement	6	4	5	5	3	3	2	2	3	3	4	6	6	7	6	6	5	2	2	4	6	7	6	8
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4:21 Character, Clear
Moonrise:
Sunset: Time, 7:13 Character, Clear
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

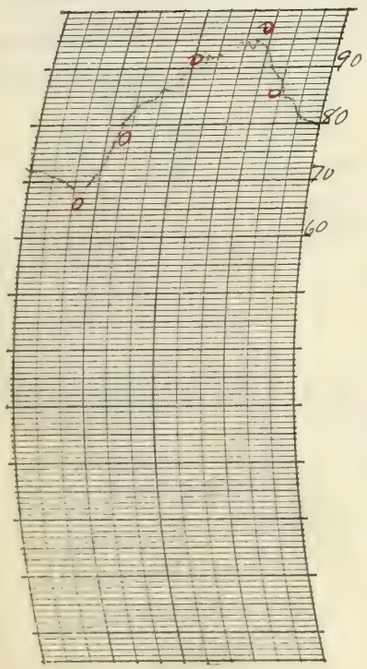
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
95	68	82	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 14.3 Possible sunshine, hours, 14.9
Per cent of possible sunshine, 96
Prevailing wind direction, NE & W Total wind, 11
Average hourly velocity, 4.6 Extreme velocity, 11
Maximum velocity, 11 Direction, West
Time began, 3:01 P.M.
Reduced barometer, 30.00 7 a. m. 29.92 7 p. m
River gage, 0.1 feet
Relative humidity, 67 7 a. m. 43 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 89.8 Wet temperature, 71.8
Dew-point, 64 R. humidity, 42 V. pressure, .595
Clouds: Amount, 2; Kind, Ci; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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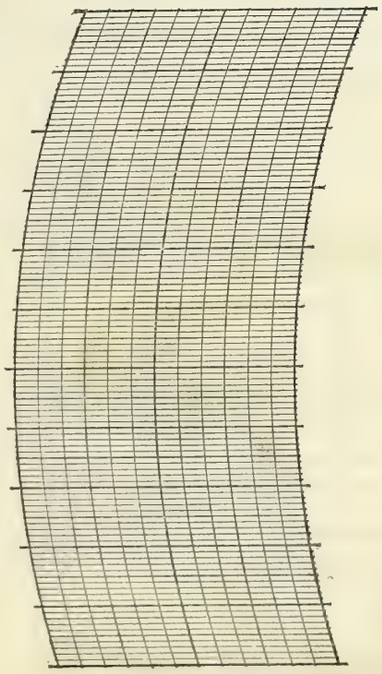
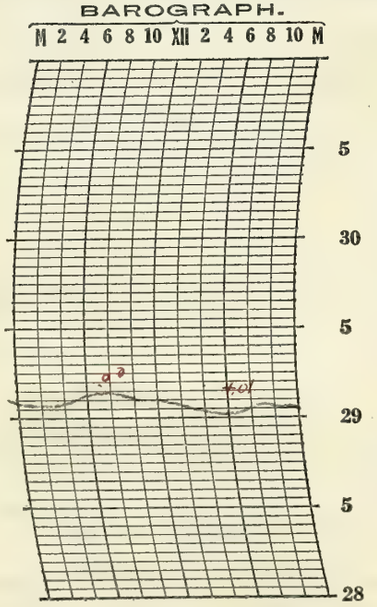


BAROGRAPH.



Prepared by E. L. H
Verified by E. L. H

8—486

NOTES

Clear - warm beautiful

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUL 15 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	78	78	77	77	77	75	75	81	83	85	87	89
Nature of precipitation and time of beginning and ending						R.B 5:03 R.E 5:08						
Amounts of precipitation						T						
Cloudiness and other conditions	Partly cloudy											
Sunrise: Time, Character, 4:21 Cloudy												
Moonrise:												
Sunshine (in tenths of hours)					0	0	0	0.6	0.9	0.8	0.9	1.0
Wind direction	SW	W	SW	SW	SW	E	E	SE	SE	SW	SW	SW
Wind movement	6	8	9	8	7	8	8	8	6	7	5	7

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	93	95	96	95	94	93	93	88	86	84	82	80
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunset: Time, Character, 7:12 Clear												
Moonset:												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.3 0.7	1.0 0	1.0 0	.20 0				
Wind direction	SW	SW	W	W	W	W	W	SW	SW	SW	SW	SW
Wind movement	7	7	10	8	6	6	4	3	4	4	4	5

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
96	75	87	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt cldy Moon phase, New

Average daily cloudiness (0-10), 4

Actual sunshine, hours, 11.4 Possible sunshine, hours, 14.8

Per cent of possible sunshine, 77

Prevailing wind direction, SW Total wind, 155

Average hourly velocity, 6.5 Extreme velocity, 12

Maximum velocity, 12 Direction, E

Time began, 5:16 am

Reduced barometer, 30.00 7 a. m. 29.90 7 p. m.

River gage, 0.1 feet

Relative humidity, 72 7 a. m. 45 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

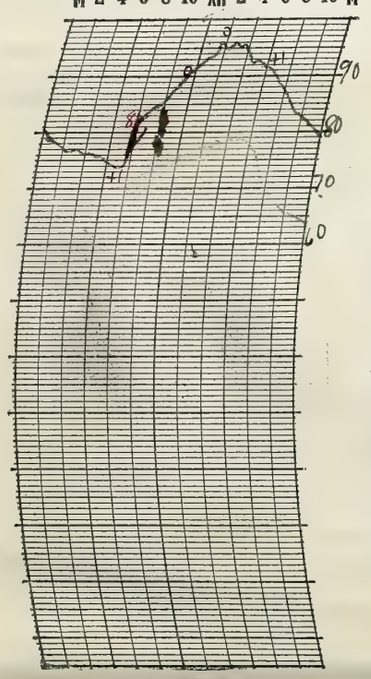
Dry temperature, 88.9 Wet temperature, 74.9

Dew-point, 69 R. humidity, 52 V. pressure, .707

Clouds: Amount, 2; Kind, cu cu; Direction, SW

Velocity of clouds (miles per hour)

THERMOGRAPH



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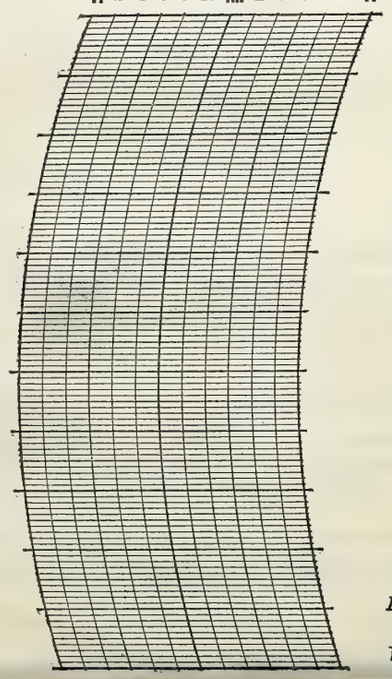

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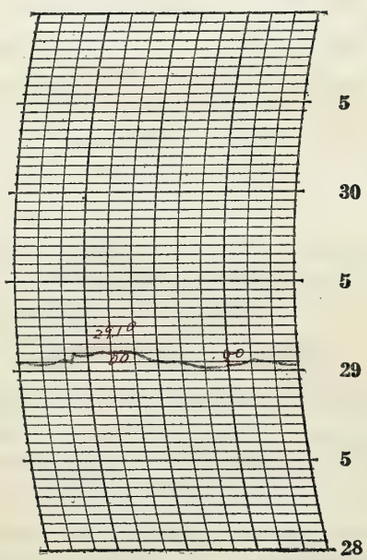


Prepared by E.L.H

Verified by E.L.H

8—486

NOTES

Partly cloudy hot day. Mr. George Todd, 84 who was overcome by heat at the home of Mr. Charles Rapp, four miles west of the city on the Illinois road died about two hours later

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUL 16 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	79	79	76	76	75	75	80	87	90	92	94	96	97	98	99	98	98	96	94	90	88	88	85	82
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions			Clear										Part Cloudy			Clear								
Sunshine (in tenths of hours)					0.3	1.0 0	0.7 0.3	1.0	1.0	1.0	1.0	0.8	1.0	0.9	1.0	1.0	0.9	0.7 0.3	1.0 0	1.8 0				
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	W	NW	NW	SW	W	W	SW	W	W	NW	W	W	W	W	SW	SW
Wind movement	4	6	5	5	5	5	5	7	7	7	6	6	7	7	7	8	8	7	4	5	4	2	2	4

Sunrise: Time, 4:22 Character, Clear
Moonrise:
Sunset: Time, 7:11 Character, Clear
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

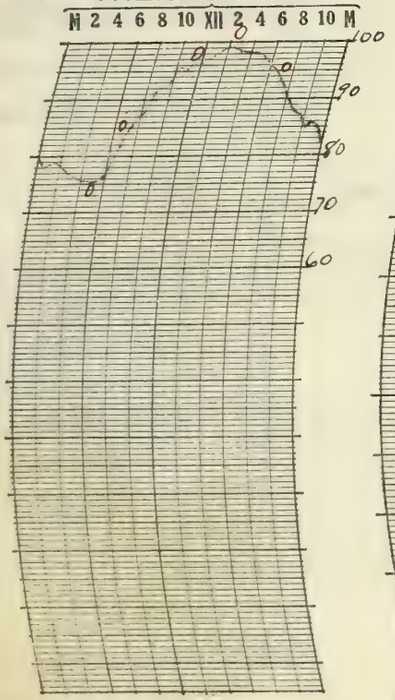
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
99	75	87	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 14.4 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 97 %
Prevailing wind direction, SW Total wind, 133
Average hourly velocity, 5.5 Extreme velocity, 11
Maximum velocity, 11 Direction, W
Time began, 4:27 P.M.
Reduced barometer, 29.95 7 a. m. 29.90 7 p. m.
River gage, -0.1 feet
Relative humidity, 70 7 a. m. 40 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 95.8 Wet temperature, 74.8
Dew-point, 60 R. humidity, 37 V. pressure, 6.38
Clouds: Amount, 4; Kind, Cu.; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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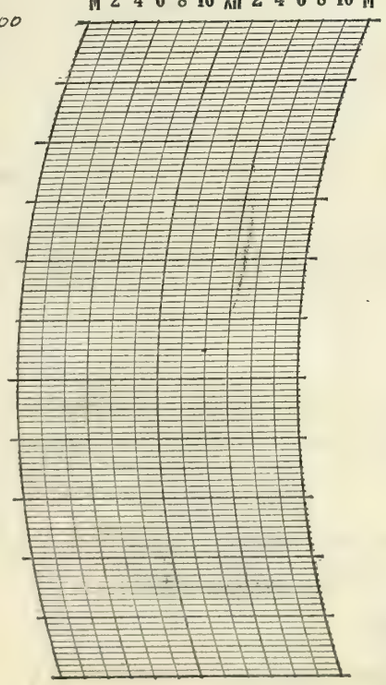

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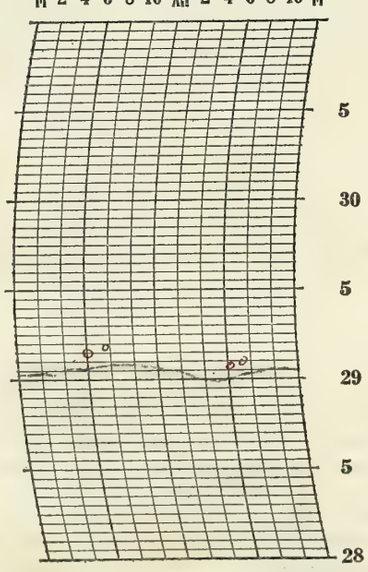


Prepared by E. L. H.

Verified by E. L. H.

NOTES

Mostly clear day. Hottest day so far this year. No deaths from heat reported.

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUL 17 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	82	81	78	78	77	77	80	86	90	93	95	96	97	99	99	93	89	88	86	83	81	80	79	79
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions												Clear →	Partly cloudy											
Sunshine (in tenths of hours)					6.2 0	1.0 0	0.7 0.3	1.0	1.0	1.0	1.0	0.8	0.8	0.8	0.8	0	0	0	0	0				
Wind direction	SW	W	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	NW	NW	NW	NW	W	W	SW	SW	S
Wind movement	4	4	3	3	4	3	5	6	7	6	7	7	9	9	10	12	12	7	6	7	6	5	5	8
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4:23 Character, Clear
Moonrise:
Sunset: Time, 7:11 Character, Cloudy
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

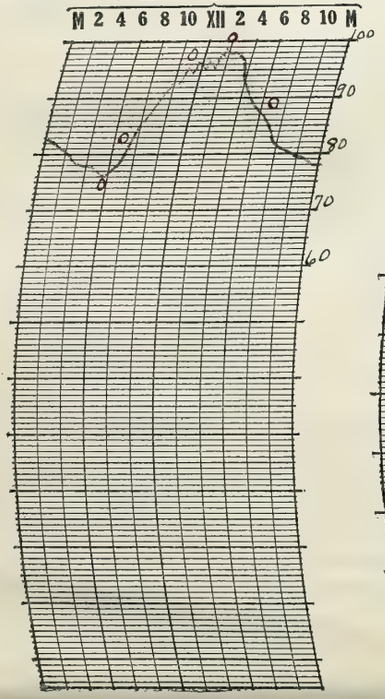
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
99	76	88	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Part Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 9.8 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 66%
Prevailing wind direction, SW Total wind, 155
Average hourly velocity, 6.5 Extreme velocity, 15
Maximum velocity, 15 Direction, NW
Time began, 3:32 P.M.
Reduced barometer, 29.96 7 a. m. 29.87 7 p. m.
River gage, −0.4 feet
Relative humidity, 70 7 a. m. 54 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 95.7 Wet temperature, 75.7
Dew-point, 67 R. humidity, 40 V. pressure, 661
Clouds: Amount, 5; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH



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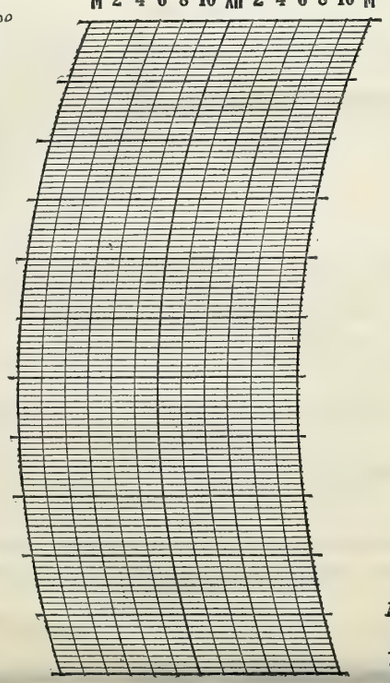
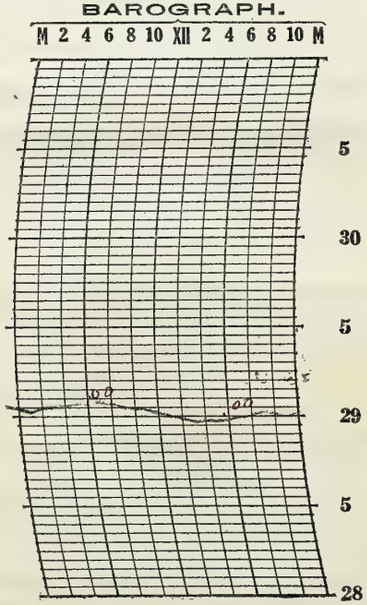


BAROGRAPH.



Prepared by E. L. H.

Verified by E. L. H.

NOTES

The hottest day of the year by 0.2. Robert Board, age 13, colored, of 502 Lasselle street, seeking relief from the intense heat in the waters of the St. Marys River was drowned.

3—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

JUL 18 1931

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) _____, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	79	78	77	75	74	74	76	83	83	87	90	91
Nature of precipitation and time of beginning and ending					RB 4:00 RE 4:20							
Amounts of precipitation					T							
Cloudiness and other conditions	Partly Cloudy											
Sunshine (in tenths of hours)					0	0	0	0.8	0.6	1.0	0.9	0.8
Wind direction	S	N	S	S	S	S	S	SW	SW	SW	SW	W
Wind movement	4	3	8	10	10	5	5	5	6	6	7	8

Sunrise: Time, 4:24 Character, Cloudy

Moonrise:

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	90	86	83	86	88	85	87	83	80	79	79	78
Nature of precipitation and time of beginning and ending				RB 3:10	RE 4:05							
Amounts of precipitation				T	T							
Cloudiness and other conditions	Partly Cloudy			Cloudy			Pt Cloudy					
Sunshine (in tenths of hours)	0.6	0	0	0.2	0.5	0.5 / 0	1.0 / 0	1.0 / 0	.17 / 0			
Wind direction	W	W	SW	SW	SW	SW	S	S	SW	SW	SW	SW
Wind movement	9	9	10	5	7	4	4	7	5	4	6	6

Sunset: Time, 7:10 Character, Clear

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
93	74	84	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, _____ inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Part Cloudy Moon phase, _____

Average daily cloudiness (0-10), 5

Actual sunshine, hours, 8.1 Possible sunshine, hours, 14.8

Per cent of possible sunshine, 55

Prevailing wind direction, SW Total wind, 153

Average hourly velocity, 6.4 Extreme velocity, 15

Maximum velocity, 15 Direction, SW

Time began, 2:00 P.M.

Reduced barometer, 29.93 7 a. m. 29.86 7 p. m.

River gage, -0.4 feet

Relative humidity, 81 7 a. m. 60 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

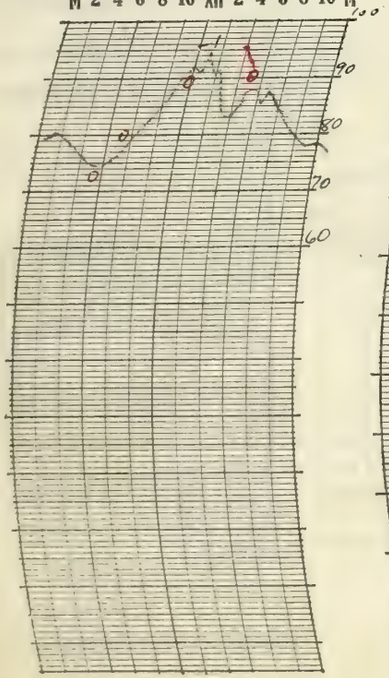
Dry temperature, 91.0 Wet temperature, 75.0

Dew-point, 68 R. humidity, 48 V. pressure, 684

Clouds: Amount, 5; Kind, cu; Direction, NW

Velocity of clouds (miles per hour)

THERMOGRAPH



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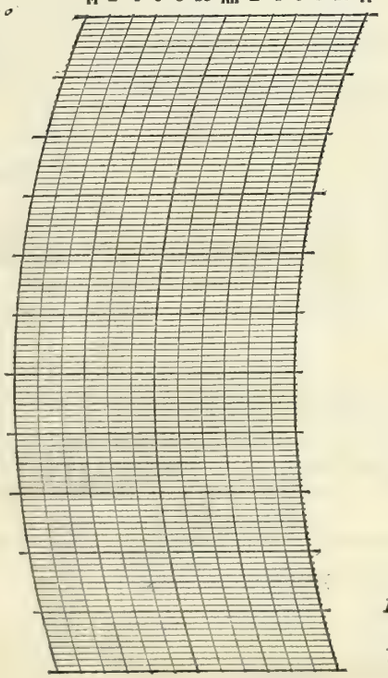
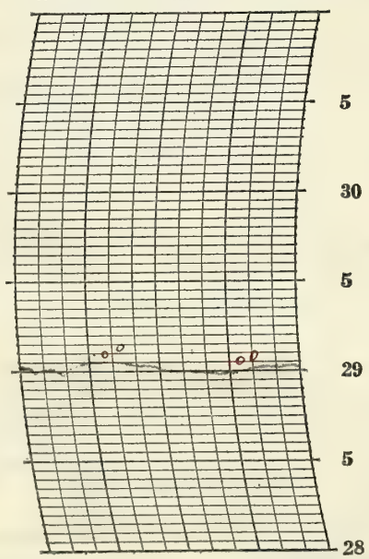


BAROGRAPH.



Prepared by E. L. H.

Verified by E. L. H.

8—486

NOTES

A partly cloudy hot day. but some relief at night. A trace of rain fell at the station but good local showers fell in the close vicinity.

Mr. John W. Hess was overcome by the heat and died during the early afternoon. Cause of death given as the heat.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUL 19 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	77	76	75	74	73	75	77	80	84	88	91	92	92	80	80	78	78	78	76	74	74	74	74	74
State of weather: Nature of precipitation and time of beginning and ending														AB 1:00	AE 2:00									
Amounts of precipitation														T	T									
Cloudiness and other conditions							Part Cloudy						Cloudy					Part Cloudy						

Sunrise: Time, 4:25 Character, Clear

Moonrise:

Sunset: Time, 7:09 Character, Cloudy

Moonset:

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)					.58 0	1.0 0	1.0 0	1.0	0.9	0.8	0.9	0.9	0.5	0.1	0	0	0	0	0	0				
Wind direction	SW	SW	S	S	S	S	S	SW	S	SW	S	SW	SW	S	SW	W	NW	E	S	S	S	S	S	S
Wind movement	5	5	6	3	5	4	5	7	6	7	6	10	10	15	14	10	5	5	7	6	7	6	7	9

Maximum velocities (exceeding 24 miles) direction and time

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
92	73	82	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Pt Cldy Moon phase,

Average daily cloudiness (0-10), 5

Actual sunshine, hours, ~~14.7~~ 7.7 Possible sunshine, hours, 14.7

Per cent of possible sunshine, ~~59%~~ 52

Prevailing wind direction, S Total wind, 170

Average hourly velocity, 7.1 Extreme velocity, 23

Maximum velocity, 22 Direction, S

Time began, 1:58 P.M.

Reduced barometer, 29.93 7 a. m. 29.88 7 p. m.

River gage, -0.4 feet

Relative humidity, 79 7 a. m. 85 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

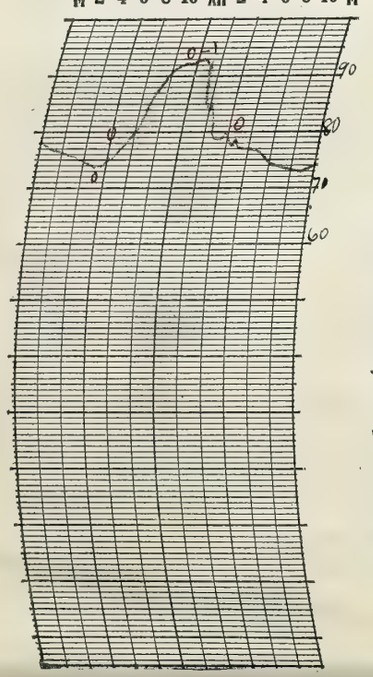
Dry temperature, 92.0 Wet temperature, 76.0

Dew-point, 70 R. humidity, 48 V. pressure, 732

Clouds: Amount, 3; Kind, Cu; Direction, W

Velocity of clouds (miles per hour)

THERMOGRAPH



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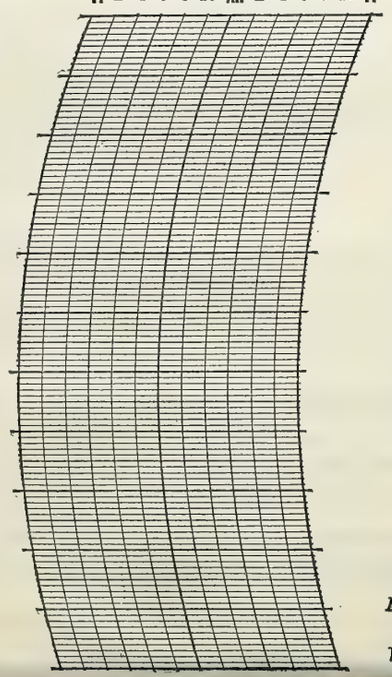
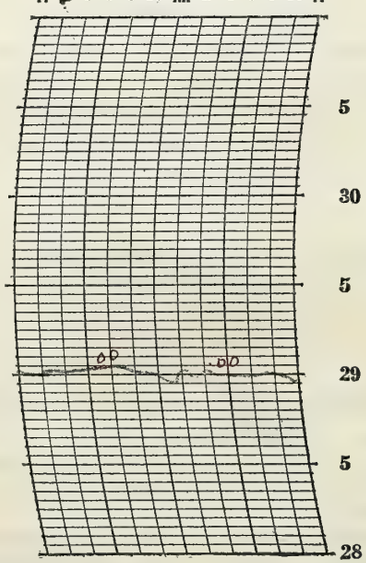


BAROGRAPH.



Prepared by E. S. H.

Verified by E. S. H.

NOTES

A hot midday followed by a moderate afternoon. Very heavy thunderstorms occurred about 25 miles north of the station during the early afternoon and caused the temperature to drop from 92 degrees to 76 degrees.

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUL 20 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	70	70	70	70	71	72	72	73	76	77	79
Nature of precipitation and time of beginning and ending	RB DNA				RE DNA	RB 5:10	RE 6:40	7:40	8:20		RB 10:25 10:35	
Amounts of precipitation	.08	.16	.08	.04	T	T	T	T	T		T	
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)					0	0	0	0	0.1	0.3	0.2	0.6
Wind direction	SW	SW	W	W	W	W	SW	SW	SW	SW	SW	SW
Wind movement	11	12	8	8	6	9	11	9	6	7	7	10

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	81	81	81	82	80	79	77	76	75	74	74	74
Sunshine (in tenths of hours)	0.1	0.8	0.9	0.6	0	0	0	0				
Wind direction	SW	SW	SW	SW	W	W	W	W	W	W	W	W
Wind movement	11	11	11	10	10	9	6	3	3	3	3	2

Sunrise: Time, 4:26 Character, Cloudy
Moonrise:

Sunset: Time, 7:09 Character, Cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

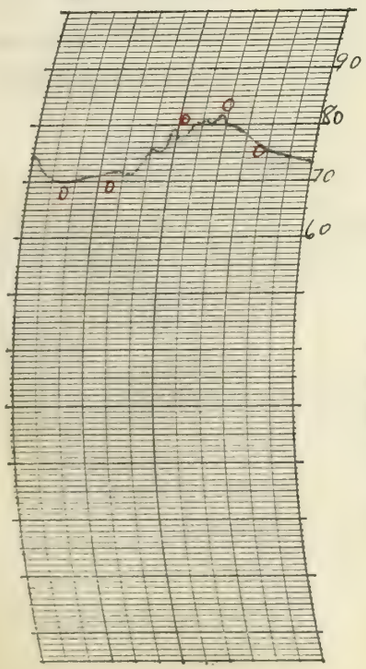
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
82	70	76	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.36 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0.36 inches.
Character of day, Partly Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 3.6 Possible sunshine, hours, 14.7
Per cent of possible sunshine, 24
Prevailing wind direction, W/SW Total wind, 186
Average hourly velocity, 7.8 Extreme velocity, 13
Maximum velocity, 13 Direction, SW
Time began, 12:37 P.M.
Reduced barometer, 29.84 7 a. m. 29.83 7 p. m
River gage, −0.3 feet
Relative humidity, 95 7 a. m. 77 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 78.7 Wet temperature, 71.2
Dew-point, 68 R. humidity, 70 V. pressure, 684
Clouds: Amount, 8; Kind, St-Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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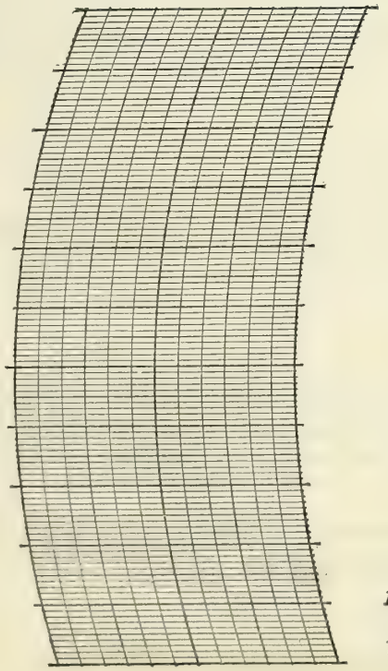
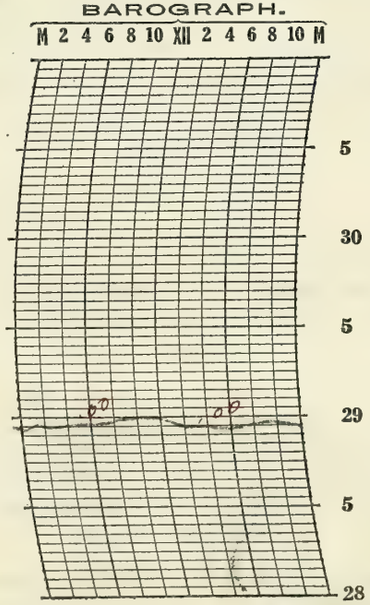


BAROGRAPH.



Prepared by E. L. H.

Verified by E. L. H

8—486

NOTES

Cloudy morning followed by a partly cloudy afternoon. Mostly cumulus clouds. Flying conditions fair.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUL 21 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	74	73	73	72	72	71	70	70	70	72	73	74	75	78	81	83	81	80	78	65	64	65	64	64
State of weather: Nature of precipitation and time of beginning and ending	RB							RE 7:03											R.B 6:40		R.E 8:10			
Amounts of precipitation	T	.01	T	0.1	T	T	.01	T											.14	.11	.01			
Cloudiness and other conditions	Cloudy																							
Wind direction	W	W	SW	SW	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S	W	SW	SW	SW	SW
Wind movement	2	1	4	3	5	4	4	4	5	5	7	7	6	6	7	7	9	9	11	8	6	7	5	6
Maximum velocities (exceeding 24 miles) direction and time																			27 W 6:42 P					
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0	0	0.6	0.9	0.9	0.3	0.2	0	0				

Sunrise: Time, 4:27 Character, Cloudy

Moonrise: ×

Sunset: Time, 7:08 Character, Cloudy

Moonset: 10:42 P

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

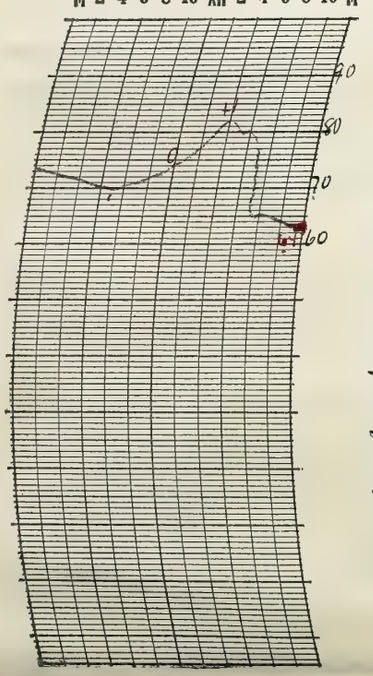
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
83	64	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.3 ins.; to 7 p. m., 06 ins.
Total precipitation, midnight to midnight, 0.29 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 2.9 Possible sunshine, hours, 14.7
Per cent of possible sunshine, 20
Prevailing wind direction, SW Total wind, 138
Average hourly velocity, 5.8 Extreme velocity, 29
Maximum velocity, 27 Direction, W
Time began, 6:42 P.M.
Reduced barometer, 29.80 7 a. m. 29.69 7 p. m.
River gage, +0.3 feet
Relative humidity, 92 7 a. m. 69 7 p. m.

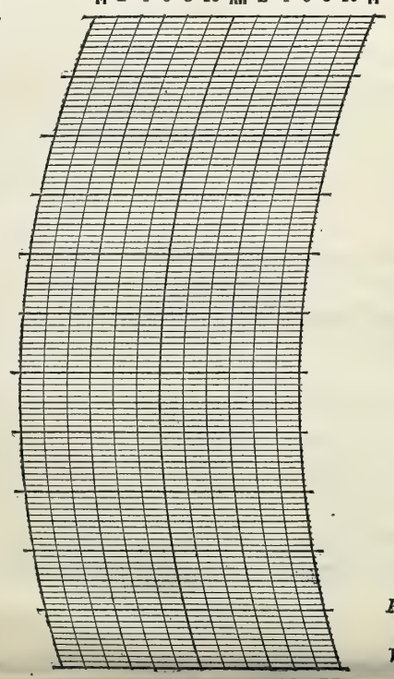
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 74.5 Wet temperature,
Dew-point, 68 R. humidity, 80 V. pressure, 684
Clouds: Amount, 8; Kind, ~~Strat~~; Direction, W
Velocity of clouds (miles per hour)

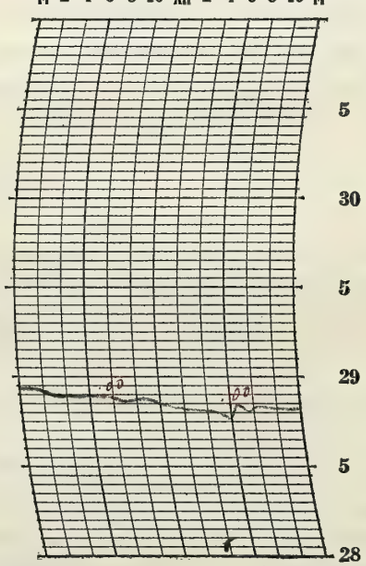
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by E.L.H

Verified by E.L.H

NOTES

A mostly cloudy threatening day. The thunderstorm that occurred in the evening came up sudden and was local. However, there were several local storms north of the city and two planes were forced down in this vicinity - but were not damaged.

The sunset was beautiful the reflection on the low clouds made it appear that the north portion of the city was on fire.

H.

FORM NO. 1012—MET.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUL 22 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	63	62	63	63	64	66	74	77	80	83	83	84	85	85	84	82	80	78	74	71	69	69	67
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear				Partly cloudy						Clear							
Sunshine (in tenths of hours)					.55 0	1.0 0	0.3 0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	0.7 0.3	1.0 0	.12 0				
Wind direction	S	SW	SW	SW	SW	SW	SW	W	W	SW	W	W	W	W	W	NW	NW	NW	NW	NW	NW	NW	NW	W
Wind movement	7	6	5	4	5	3	5	5	4	6	11	13	13	11	12	14	13	10	8	7	6	6	6	5

Sunrise: Time, 4:27 Character, Clear

Moonrise:

Sunset: Time, 7:15 Character, Clear

Moonset: 11:10P

11:29 Local mean Solar time

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
85	62	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0.20 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, 1st at 1:16 a.m.

Average daily cloudiness (0-10), 2

Actual sunshine, hours, 14.6 Possible sunshine, hours, 14.7

Per cent of possible sunshine, 99

Prevailing wind direction, W/NW Total wind, 185

Average hourly velocity, 7.7 Extreme velocity, 16

Maximum velocity, 16 Direction, W

Time began, 12:32 P.M.

Reduced barometer, 29.72 7 a. m. 29.68 7 p. m.

River gage, 2.0 feet

Relative humidity, 88 7 a. m. 40 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

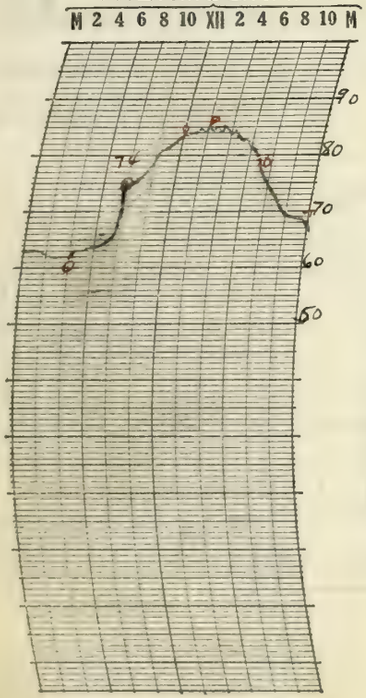
Dry temperature, 82.7 Wet temperature, 65.7

Dew-point, 56 R. humidity, 40 V. pressure, .448

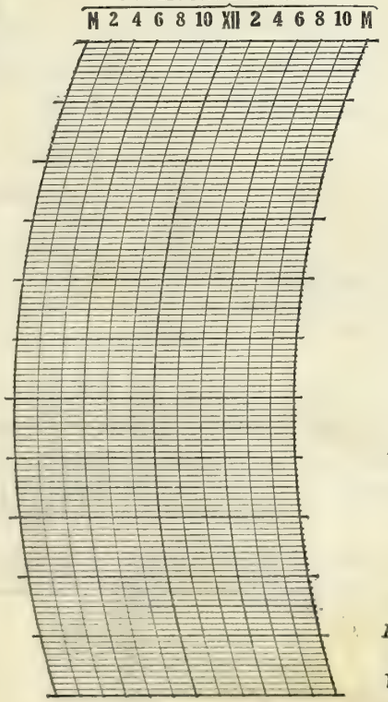
Clouds: Amount, 4; Kind, Cu; Direction, W

Velocity of clouds (miles per hour)

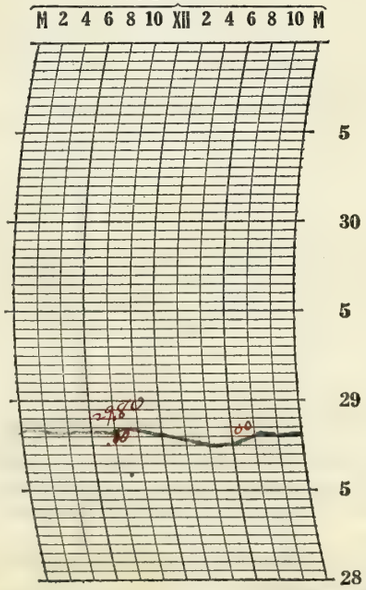
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by E. J. H

Verified by E. J.

8—486

NOTES

a mostly clear, moderate, beautiful day.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUL 23 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	63	63	62	60	63	68	71	74	78	79	79	80	81	81	81	79	77	75	71	68	66	64	63
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions			←			Clear				→	←		partly		→	←			Clear					→
Sunshine (in tenths of hours)					.55 0	1.0 0	.07 0.8	1.0	1.0	1.0	1.0	1.0	0.9	0.8	0.9	1.0	1.0	0.7 0.3	1.0 0	1.0 0				
Wind direction	N	N	N	N	N	N	N	N	N	N	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	W
Wind movement	3	4	3	3	2	3	2	6	6	3	5	6	9	9	10	11	12	13	9	7	8	6	7	4
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4:28 Character, Clear

Moonrise:

Sunset: Time, 7:06 Character, Clear

Moonset: 11:40P 11-59

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

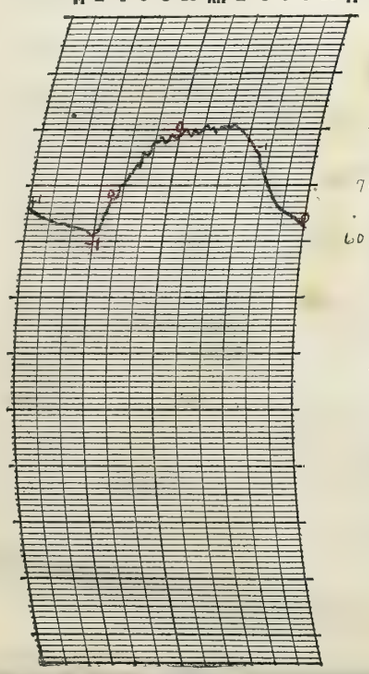
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
81	60	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, ____ inches.
Character of day, Clear Moon phase, ____
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 14.2 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 97
Prevailing wind direction, NW Total wind, 151
Average hourly velocity, 6.3 Extreme velocity, 18
Maximum velocity, 17 Direction, NW
Time began, 5:03 P.M.
Reduced barometer, 29.71 — 7 a. m. 29.77 — 7 p. m.
River gage, 2.5 feet
Relative humidity, 68 7 a. m. 43 7 p. m.

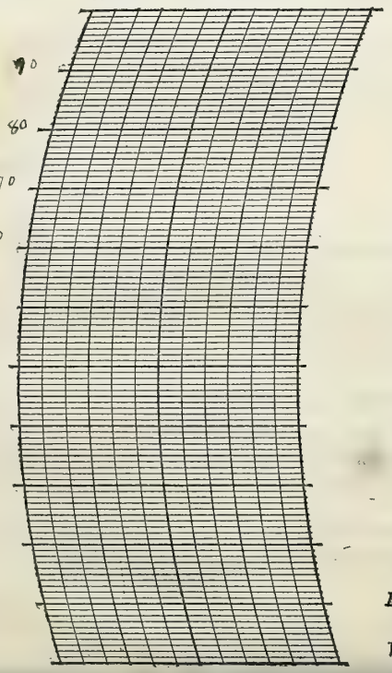
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 79.1 Wet temperature, 63.6
Dew-point, 54 R. humidity, 42 V. pressure, .417
Clouds: Amount, 5; Kind, A. Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



THERMOGRAPH



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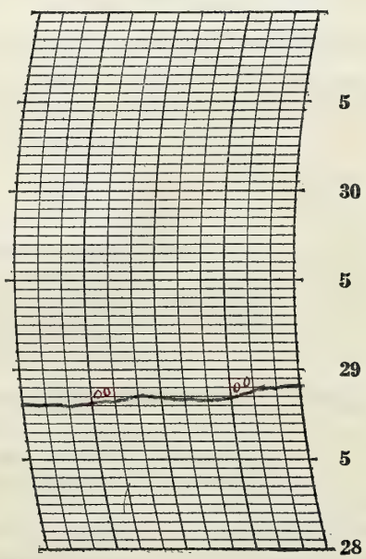


Prepared by E.L.H

Verified by E.L.H

8—486

NOTES

A mostly clear day, but some high clouds in late morning and early afternoon.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUL 24 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	61	60	59	59	59	60	65	67	70	72	73	75
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions											Clear	
Sunshine (in tenths of hours)					.52 / 0	1.0 / 0	0.2 / 0.8	1.0	1.0	1.0	1.0	1.0
Wind direction	NW	NW	NW	NW	NW	NW	N	N	N	N	N	N
Wind movement	6	6	6	6	6	7	7	13	14	14	13	11

Sunrise: Time, 4:29 Character, Clear

Moonrise:

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	76	78	80	79	80	79	78	74	70	68	67	66
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.5 / 0.5	1.0 / 0	.08 / 0				
Wind direction	N	N	N	N	N	NW	NW	NW	W	W	W	W
Wind movement	12	10	9	9	7	4	2	3	4	5	2	1

Sunset: Time, 7:05 Character, Clear

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
80	59	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 0

Actual sunshine, hours, 14.6 Possible sunshine, hours, 14.6

Per cent of possible sunshine, 100

Prevailing wind direction, N Total wind, 177

Average hourly velocity, 7.4 Extreme velocity, 20

Maximum velocity, 30 Direction, N

Time began, 8:35 am

Reduced barometer, 29.95 — 7 a. m. 29.96 7 p. m

River gage, +2.5 feet

Relative humidity, 59 7 a. m. 34 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

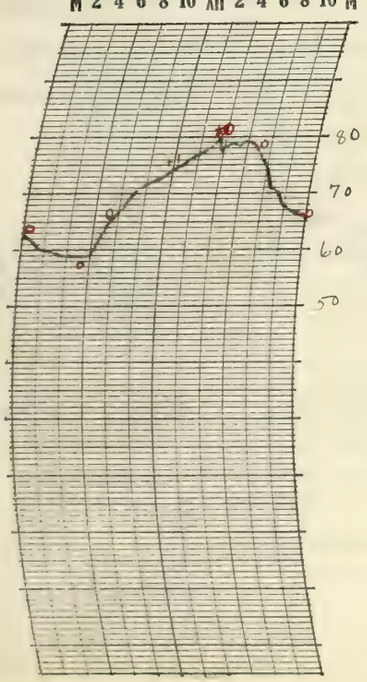
Dry temperature, 75.0 Wet temperature, 57.5

Dew-point, 44 R. humidity, 33 V. pressure, .287

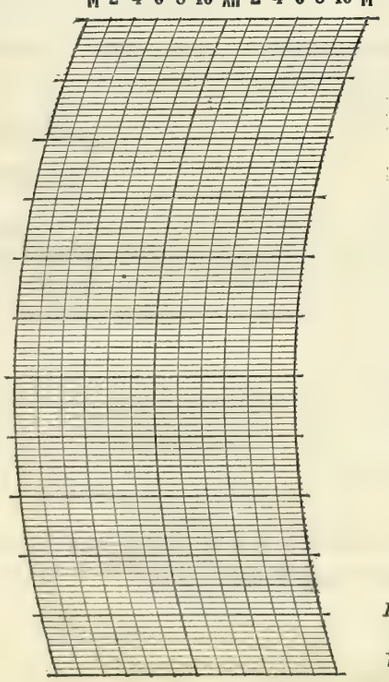
Clouds: Amount, 0; Kind, 0; Direction, 0

Velocity of clouds (miles per hour)

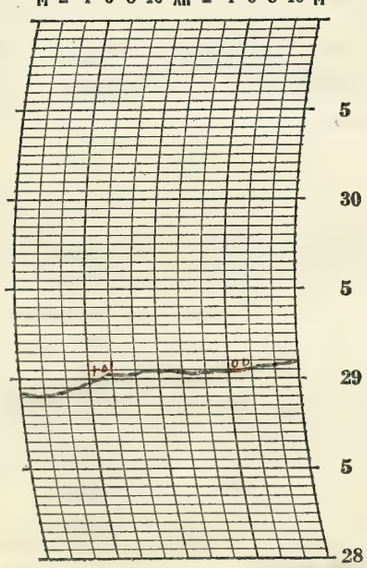
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by E. L. H

Verified by E. L. H

8—486

NOTES

Clear, moderate, beautiful day.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

JUL 25 1931

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) _____, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	62	61	61	60	59	60	66	71	76	79	81	82
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear											
Sunshine (in tenths of hours)					.50 0	1.0 0	0.3 0.7	1.0	1.0	1.0	1.0	1.0
Wind direction	W	SW	SW	0	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	3	2	3	0	2	2	3	5	6	6	7	7

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	83	83	84	86	85	84	82	79	76	75	73	72
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	1.0	1.0	0.7	1.0	0.6	0.4 0	1.0 0	0.7 0				
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	8	7	7	9	8	5	5	5	4	4	5	5

Sunrise: Time, 4:30 Character, Clear

Moonrise: _____

Sunset: Time, 7:04 Character, Clear

Moonset: _____

Maximum velocities (exceeding 24 miles) direction and time _____

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts _____

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
86	59	72	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, _____

Average daily cloudiness (0-10), 1

Actual sunshine, hours, 3.3 Possible sunshine, hours, 14.6

Per cent of possible sunshine, 91 of 0

Prevailing wind direction, SW Total wind, 118

Average hourly velocity, 4.9 Extreme velocity, 10

Maximum velocity, 10 Direction, SW

Time began, 3:45 P.M.

Reduced barometer, 30.10 7 a. m. 30.06 7 p. m.

River gage, 1.5 feet

Relative humidity, 61 7 a. m. 47 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

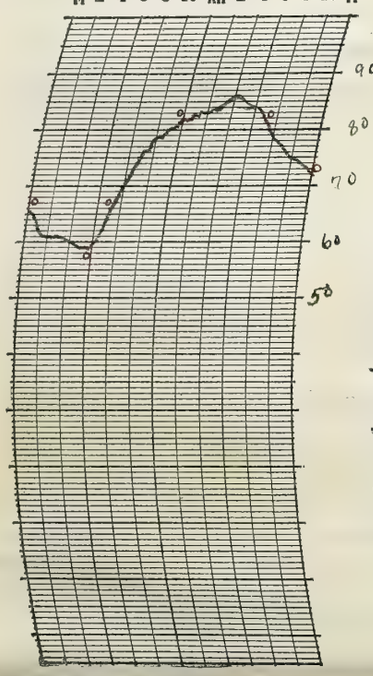
Dry temperature, 82.0 Wet temperature, 64.5

Dew-point, 54 R. humidity, 38 V. pressure, .417

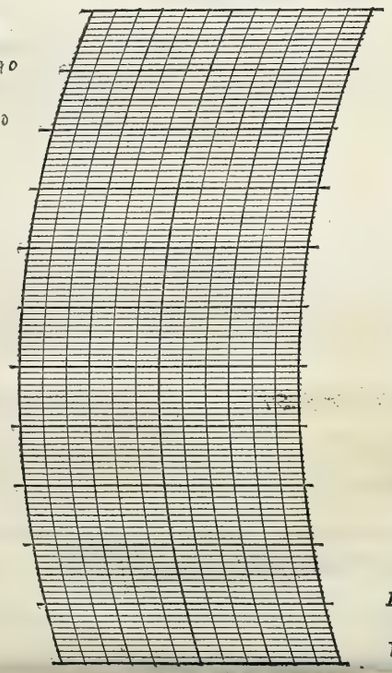
Clouds: Amount, Few; Kind, Cu; Direction, SW

Velocity of clouds (miles per hour) _____

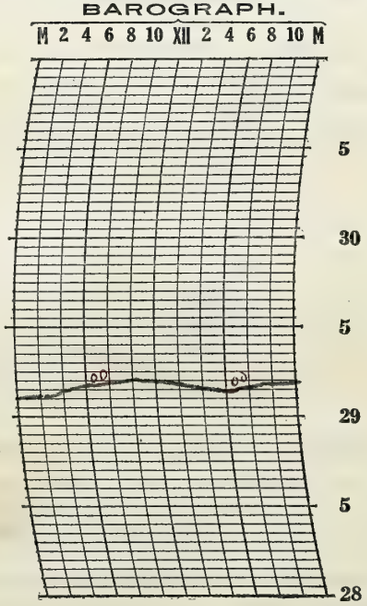
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by E. L. H

Verified by E. L. H

8—486

NOTES

A clear day, with few cumulus clouds during the afternoon.

Form No. 1014—Met. 1

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUL 26 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	70	70	68	67	66	67	70	75	82	84	86	87	88	89	90	89	89	88	85	81	78	77	76	74
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	← Clear											Pt. Cloudy →					← Clear							
Sunshine (in tenths of hours)					.48 0	1.0 0	0.9 0.1	1.0	1.0	1.0	1.0	0.8	0.8	0.8	0.9	1.0	0.1 0.9	1.0 0	1.0 0	.05 0				
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	W	SW	W	W	SW	W	SW	SW	SW	SW	SW	SW	SW	SW	S	S
Wind movement	5	4	4	4	2	5	4	4	6	7	6	6	4	4	6	8	6	5	4	4	4	5	4	4

Sunrise: Time, 4:31 Character, Clear
Moonrise:
Sunset: Time, 7:03 Character, Clear
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

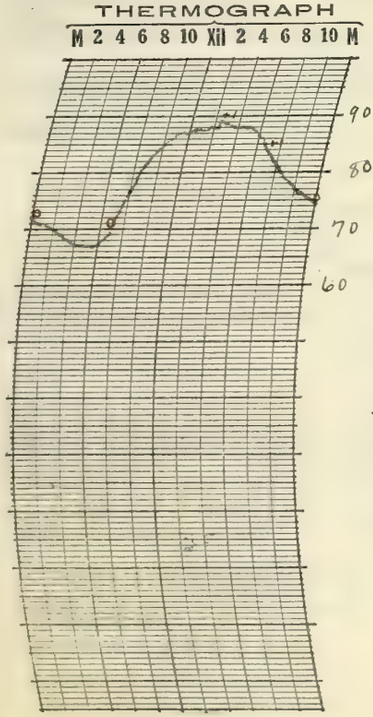
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
90	66	78	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 13.3 Possible sunshine, hours, 14.5
Per cent of possible sunshine, 95 o/o
Prevailing wind direction, SW Total wind, 115
Average hourly velocity, 4.8 Extreme velocity, 9
Maximum velocity, 9 Direction, W
Time began, 10:00 am
Reduced barometer, 30.13 7 a. m. 30.04 7 p. m.
River gage, 1.2 feet
Relative humidity, 69 7 a. m. 48 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 87.0 Wet temperature, 69.5
Dew-point, 61 R. humidity, 41 V. pressure, .536
Clouds: Amount, 4; Kind, cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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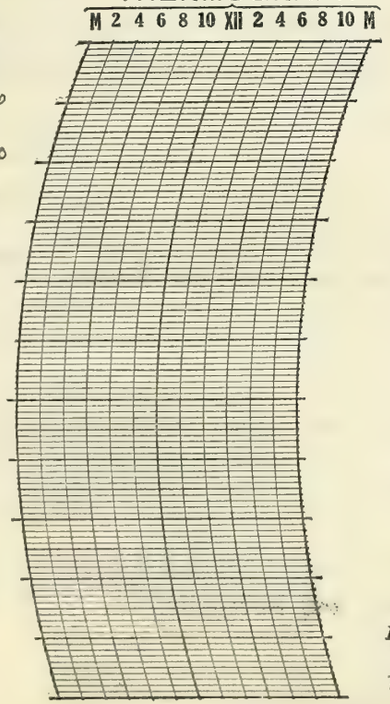
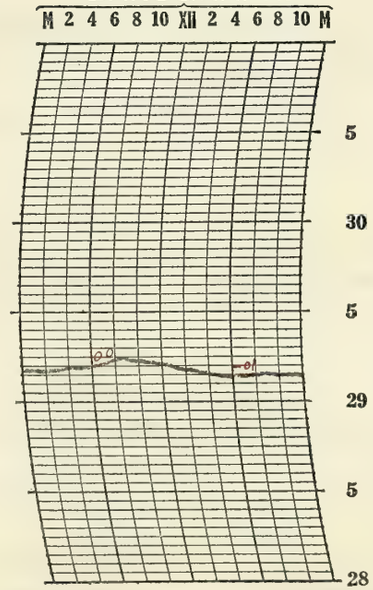


BAROGRAPH.



Prepared by E. L. H.

Verified by E. L. H

8—486

NOTES

A clear, hot but beautiful day. Some cumulus clouds during mid-day.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUL 27 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	72	69	69	68	70	74	78	82	84	85	86	88	90	91	91	89	88	86	82	80	78	76	75
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear						Partly Cldy					Clear						
Sunshine (in tenths of hours)					.45	1.0	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	1.0	1.0	0.5				
					0	0	0.4										0.7	0	0	0				
Wind direction	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S	S	S	S	SW	S	SW	SW	S	S	S	S
Wind movement	2	5	7	3	2	3	2	2	5	6	8	8	9	8	10	8	8	6	3	3	3	5	5	6
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4:32 Character, Clear
Moonrise:

Sunset: Time, 7:03 Character, Clear
Moonset:

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

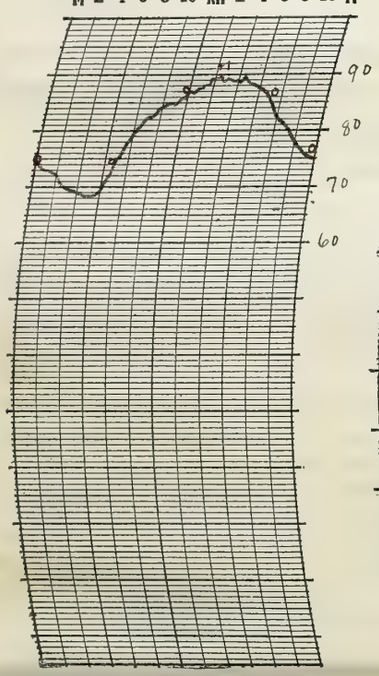
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
91	68	80	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 14.5 Possible sunshine, hours, 14.5
Per cent of possible sunshine, 100 %
Prevailing wind direction, SW Total wind, 157
Average hourly velocity, 5.3 Extreme velocity, 12
Maximum velocity, 12 Direction, S
Time began, 1:34 PM.
Reduced barometer, 30.06 7 a. m. 29.92 7 p. m.
River gage, 1.2 Feet
Relative humidity, 66 7 a. m. 42 7 p. m.

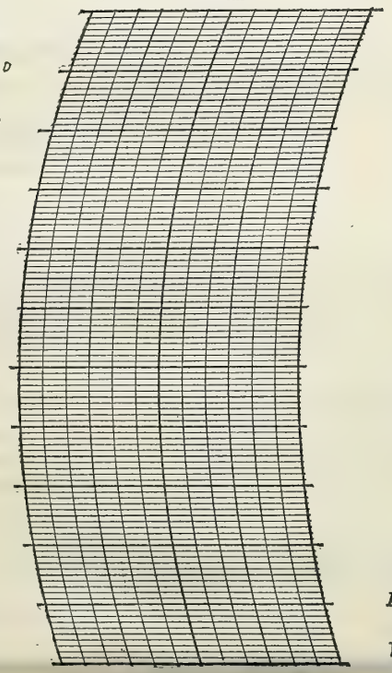
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 85.9 Wet temperature, 66.9
Dew-point, 56 R. humidity, 37 V. pressure, .448
Clouds: Amount, 4; Kind, Ci Cu; Direction, S
Velocity of clouds (miles per hour)

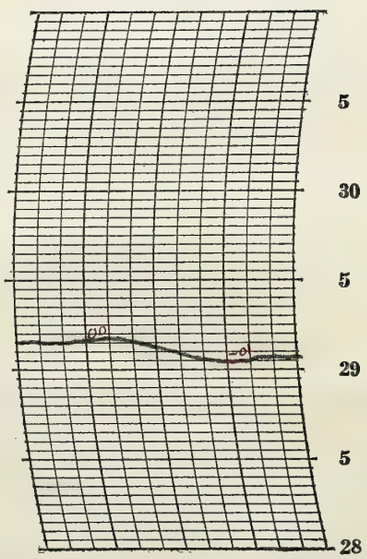
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by E. L. H

Verified by E. L. H

8—486

NOTES

Clear warm day.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

FORM NO. 1017 Rev 1

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUL 28 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	73	73	71	70	70	71	76	80	84	86	88	89
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear						
Sunshine (in tenths of hours)					.45 0	1.0 0	0.7 0.3	1.0	1.0	1.0	1.0	1.0
Wind direction	S	S	S	S	S	SW	SW	SW	SW	SW	SW	SW
Wind movement	6	6	5	6	6	6	7	8	10	12	14	13

Sunrise: Time, 4:33 Character, Clear

Moonrise:

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	91	92	93	93	92	90	88	85	83	82	81	80
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Pt. Cldy →	clear				
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.1	0	0				
Wind direction	SW	SW	SW	SW	SW	SW	SW	S	S	SW	S	SW
Wind movement	15	16	15	14	14	14	8	9	10	9	8	8

Sunset: Time, 7:02 Character, Cloudy

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
93	70	82	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 2

Actual sunshine, hours, 12.6 Possible sunshine, hours, 14.5

Per cent of possible sunshine, 87

Prevailing wind direction, SW Total wind, 239

Average hourly velocity, 10.0 Extreme velocity, 19

Maximum velocity, 19 Direction, SW

Time began, 12:23 P

Reduced barometer, 29.98 7 a. m. 29.86 7 p. m.

River gage, 0.3 Feet

Relative humidity, 69 7 a. m. 46 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

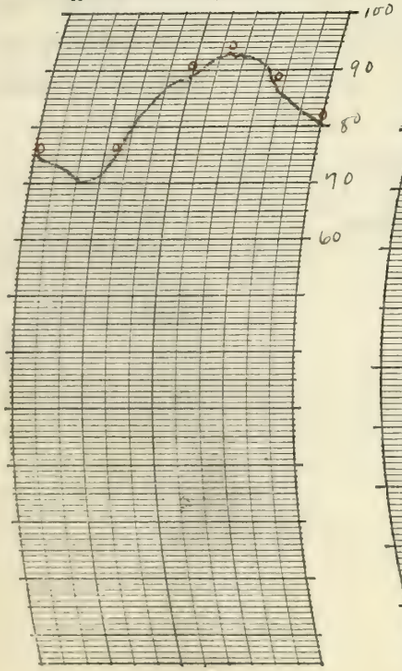
Dry temperature, 89.2 Wet temperature, 70.2

Dew-point, 60 R. humidity, 39 V. pressure, 517

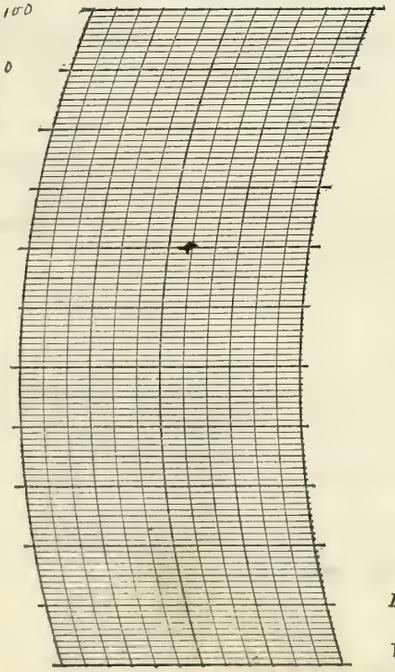
Clouds: Amount, 4; Kind, Cu St; Direction, W

Velocity of clouds (miles per hour) 0

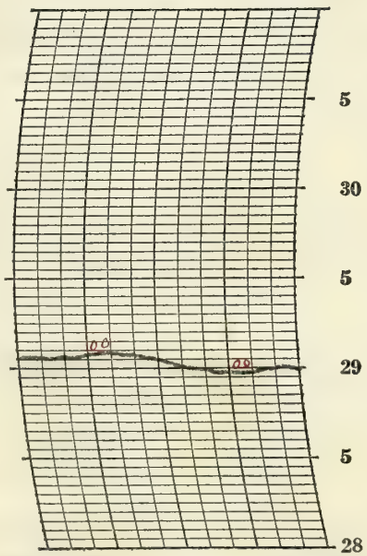
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H

8—486

NOTES

Clear warm day

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

JUL 28 1931

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) _____, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	80	80	79	77	76	77	79	80	82	85	85	85
State of weather: Nature of precipitation and time of beginning and ending											RB 10:10 RE 10:15 RB 10:30	RE 11:10
Amounts of precipitation											T	T
Cloudiness and other conditions					Cloudy							
Sunrise: Time, 4:34 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	8	9	10	7	7	9	11	12	12	12	9	9
Maximum velocities (exceeding 24 miles) direction and time												

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	87	88	87	90	90	89	87	85	82	80	80	78
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy					Pt Cldy						
Sunset: Time, 7:01 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0.3	0.4	0	1.0	0.5	0	0	0				
Wind direction	SW	SW	W	W	W	W	W	W	NW	NW	0	W
Wind movement	13	12	11	11	10	7	5	5	4	3	0	1
Maximum velocities (exceeding 24 miles) direction and time												

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
90	76	83	

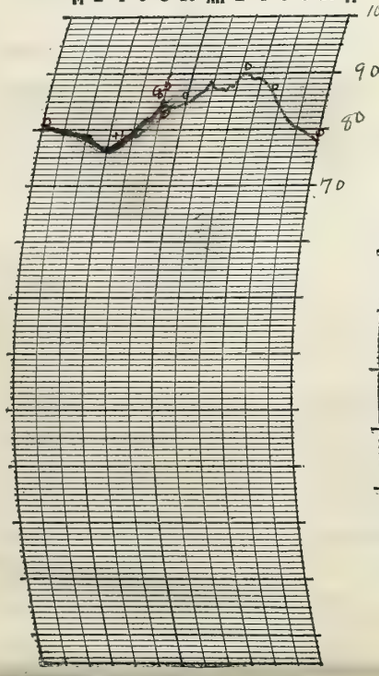
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 2.2 Possible sunshine, hours, 14.4
Per cent of possible sunshine, 15
Prevailing wind direction, SW Total wind, 197
Average hourly velocity, 8.2 Extreme velocity, 17
Maximum velocity, 17 Direction, SW
Time began, 1:13 P
Reduced barometer, 29.93 7 a. m. 29.92 7 p. m.
River gage, −0.5 feet
Relative humidity, 65 7 a. m. 58 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

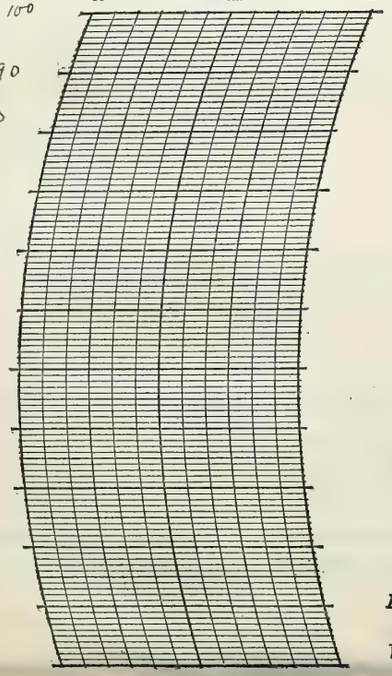
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 84.9 Wet temperature, 74.0
Dew-point, 69 R. humidity, 59 V. pressure, .707
Clouds: Amount, 9; Kind, Stcu; Direction, W
Velocity of clouds (miles per hour) _____

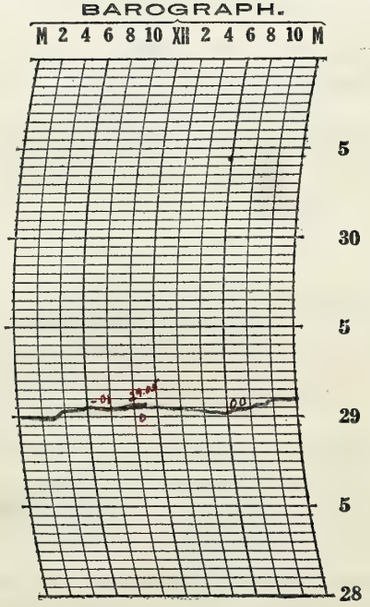
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by P. C. S.

Verified by E. L. H

NOTES

A Cloudy threatening sultry day. Suitable for flying.

8—456

Form No. 1012—Met. 1

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUL 30 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	76	75	73	72	72	72	76	78	83	86	88	91	92	93	95	94	93	86	82	82	82	80	78	78
State of weather: Nature of precipitation and time of beginning and ending																		RB 5:45	RE 6:15					
Amounts of precipitation																		.01	T					
Cloudiness and other conditions						←								Clear	x					partly		→		
Sunrise: Time, Character,	4:35 Clear																							
Moonrise:																								
Sunset: Time, Character,																					7:00 Cloudy			
Moonset:																								
Sunshine (in tenths of hours)					4.2 0	1.0 0	0.7 0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0	0	0					
Wind direction	W	W	NW	NW	NW	N	E	E	E	E	E	S	SW	SW	SW	SW	W	W	N	N	N	E	E	E
Wind movement	2	3	3	2	2	3	5	5	3	4	3	4	6	7	11	8	7	7	6	4	5	6	4	5
Maximum velocities (exceeding 24 miles) direction and time																								

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
95	72	84	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 10.8 Possible sunshine, hours, 14.4
Per cent of possible sunshine, 75
Prevailing wind direction, E Total wind, 118
Average hourly velocity, 4.8 Extreme velocity, 14
Maximum velocity, 14 Direction, SW
Time began, 2:31 P
Reduced barometer, 30.047 a. m. 29.987 p. m.
River gage, +0.2 feet
Relative humidity, 70 7 a. m. 71 7 p. m.

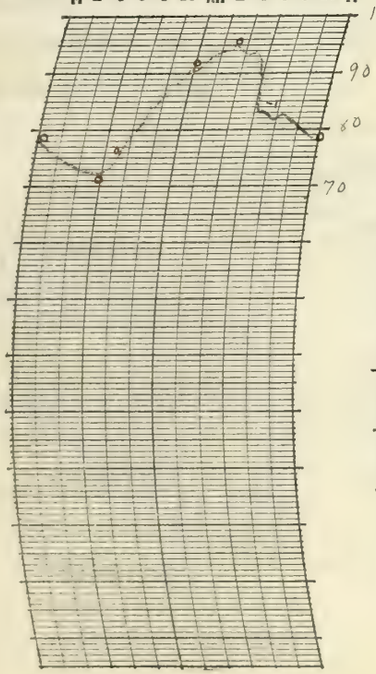
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

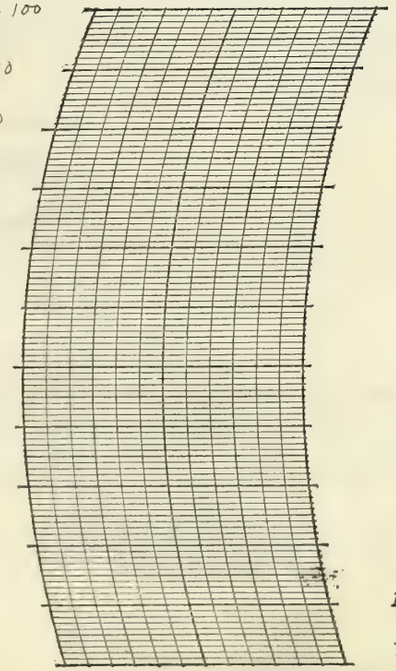
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 90.8 Wet temperature, 75.8
Dew-point, 70 R. humidity, 50 V. pressure, .732
Clouds: Amount, 1; Kind, Ac Cu; Direction, W
Velocity of clouds (miles per hour)

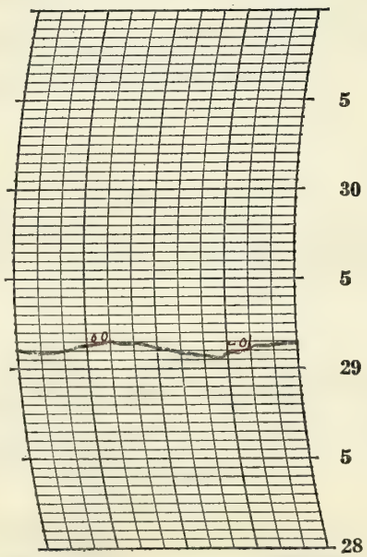
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by E. C. S.

Verified by E. L. H.

8—486

NOTES

a Clear sultry day
a very moderate thunderstorm
occurred during the day

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUL 31 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	75	74	73	72	71	72	75	77	80	83	86	87	90	91	92	91	88	85	82	80	77	76	74	73
State of weather: Nature of precipitation and time of beginning and ending																		RB 5:10 RE 5:25			RB 8:15 RE 8:20			
Amounts of precipitation																		T			T			
Cloudiness and other conditions													Clear					Cloudy						
Sunshine (in tenths of hours)					40 0	1.0 0	0.7 0.3	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	0.9	0	0	0					
Wind direction	NE	NE	NE	NE	NE	E	E	E	E	E	E	E	E	NE	E	E	E	E	NE	E	E	E	E	E
Wind movement	6	6	7	8	5	7	10	11	10	9	8	7	7	7	7	9	10	8	10	11	11	12	11	10

Sunrise: Time, 4:36 Character, Clear
Moonrise:
Sunset: Time, 6:59 Character, Cloudy
Moonset:

Maximum velocities (exceeding 2.4 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

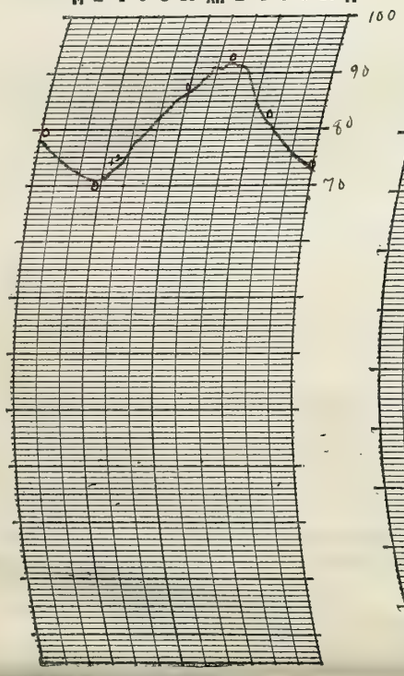
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
92	71	82	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 11.2 Possible sunshine, hours, 14.4
Per cent of possible sunshine, 78
Prevailing wind direction, E Total wind, 207
Average hourly velocity, 8.6 Extreme velocity, 14
Maximum velocity, 14 Direction, E
Time began, 9:39P
Reduced barometer, 30.10 7 a. m. 30.03 7 p. m.
River gage, -0.2 feet
Relative humidity, 66 7 a. m. 55 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 87.3 Wet temperature, 71.3
Dew-point, 64 R. humidity, 46 V. pressure, .595
Clouds: Amount, 2; Kind, Cu; Direction, E
Velocity of clouds (miles per hour)

THERMOGRAPH



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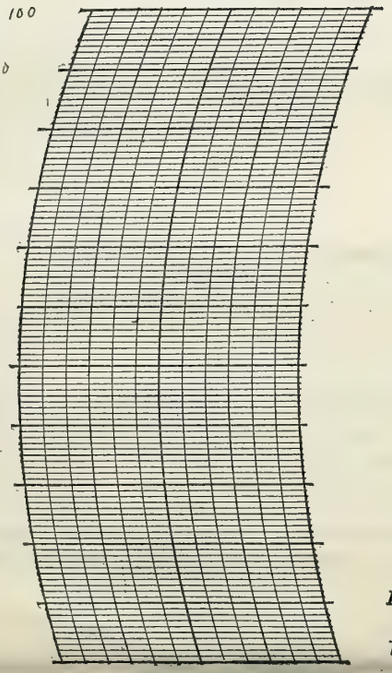
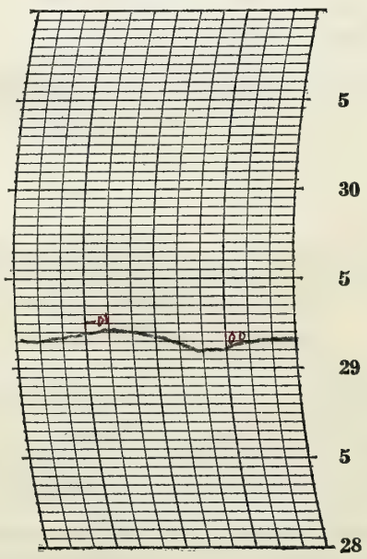


BAROGRAPH.



Prepared by L. C. S.
Verified by E. L. H

NOTES

a clear warm day. 7 flying condition good.

8—486

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1012 Mec 1

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) AUG 1 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	71	70	70	69	70	73	76	77	80	85	83
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Pt Cldy				X Clear		
Sunshine (in tenths of hours)					.38 0	1.0 0	0.5 0.5	1.0	1.0	0.3	0.9	1.0
Wind direction	E	E	E	E	E	E	E	E	E	E	NE	NE
Wind movement	8	8	8	7	8	9	10	8	8	6	7	9

Sunrise: Time, 4:37 Character, Clear
Moonrise:

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	86	87	88	87	86	72	73	73	73	73	73	72
State of weather: Nature of precipitation and time of beginning and ending						RB 5:05 RE 5:55			RB 8:20 RE 8:50			
Amounts of precipitation						0.44			T			
Cloudiness and other conditions						Pt Cldy X			Pt Cldy X		Cldy	
Sunshine (in tenths of hours)	1.0	1.0	1.0	0	0	0	0					
Wind direction	NE	E	E	E	E	N	N	E	NE	NE	E	E
Wind movement	9	11	11	10	7	11	6	6	4	1	4	3

Sunset: Time, 6:57 Character, Cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts: 5:05P	5:55P	0.44	5:25P	5:35P	.07	0.21	0.34												

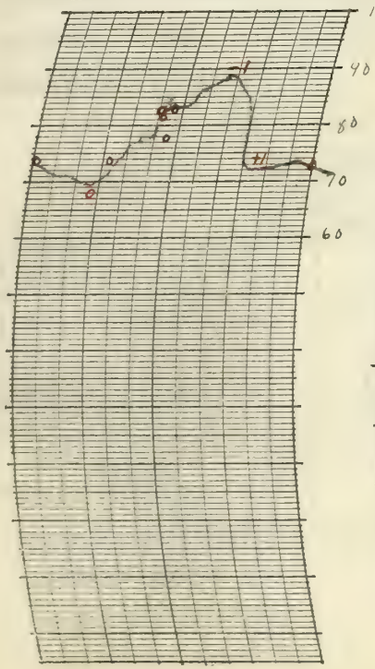
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
88	69	78	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0.44 ins.
Total precipitation, midnight to midnight, 0.44 inches.
Character of day, Pt Cldy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 9.6 Possible sunshine, hours, 14.3
Per cent of possible sunshine, 67
Prevailing wind direction, E Total wind, 179
Average hourly velocity, 7.5 Extreme velocity, 16
Maximum velocity, 16 Direction, W
Time began, 5:20P
Reduced barometer, 30.05 7 a. m. 29.97 7 p. m
River gage, +0.3 feet
Relative humidity, 61 7 a. m. 95 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 83.0 Wet temperature, 72.0
Dew-point, 67 R. humidity, 58 V. pressure, 661
Clouds: Amount, 3; Kind, Ac Cu; Direction, E
Velocity of clouds (miles per hour)

THERMOGRAPH



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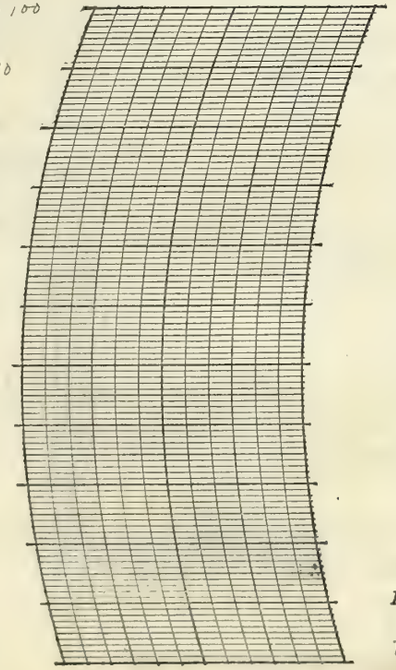
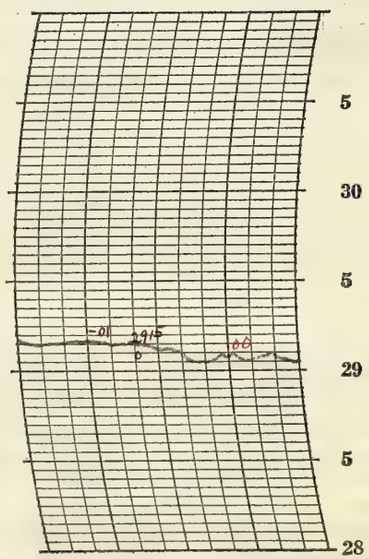


BAROGRAPH.



Prepared by E. C. S.
Verified by E. L. H

8—486

NOTES

A sultry day. Two moderate thunderstorms occurred but no damage reported. Lying conditions good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) AUG 2 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	71	71	72	73	73	77	81	84	87	90	90
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Clear				→ Pt Cdy	
Sunshine (in tenths of hours)					.37 0	1.0 0	0.8 0.2	1.0	1.0	1.0	1.0	0.9
Wind direction	E	SE	SE	SE	S	S	S	SW	SW	SW	SW	SW
Wind movement	1	3	4	5	6	7	6	8	11	10	11	11

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	90	90	91	92	92	91	88	81	81	81	72	72
State of weather: Nature of precipitation and time of beginning and ending								RB 7:35 RE 7:55			RB 10:05	RE 10:NP
Amounts of precipitation								T			04	01
Cloudiness and other conditions					← Clear			→ Cloudy				
Sunshine (in tenths of hours)	0.3	0.6	0.8	0.8	0.9	0.2	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	13	13	16	14	13	10	8	8	6	7	12	9

Sunrise: Time, 4:38 Character, Clear

Moonrise:

Sunset: Time, 6:56 Character, Cloudy

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
92	71	82	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0.5 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 3

Actual sunshine, hours, 10.9 Possible sunshine, hours, 14.3

Per cent of possible sunshine, 76

Prevailing wind direction, SW Total wind, 212

Average hourly velocity, 8.8 Extreme velocity, 26

Maximum velocity, 24 Direction, S

Time began, 10:34 P

Reduced barometer, 29.91 7 a. m. 29.83 7 p. m.

River gage, − 0.5 feet

Relative humidity, 79 7 a. m. 49 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

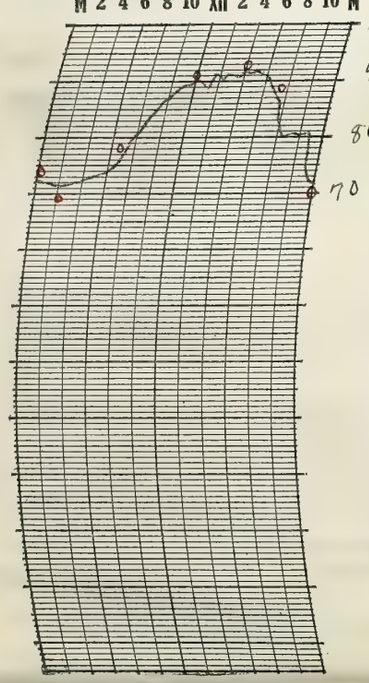
Dry temperature, 89.9 Wet temperature, 75.8

Dew-point, 70 R. humidity, 53 V. pressure, .732

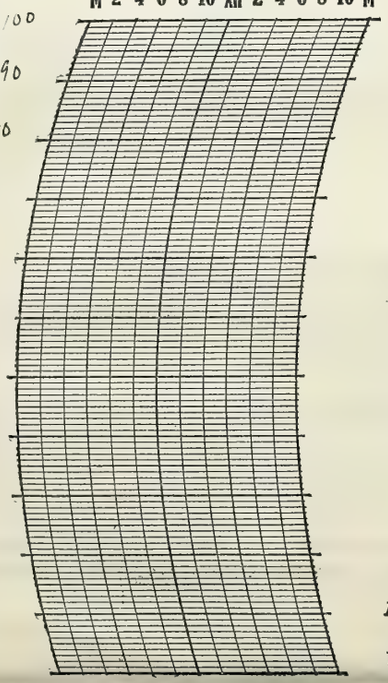
Clouds: Amount, 5; Kind, Cu; Direction, SW

Velocity of clouds (miles per hour)

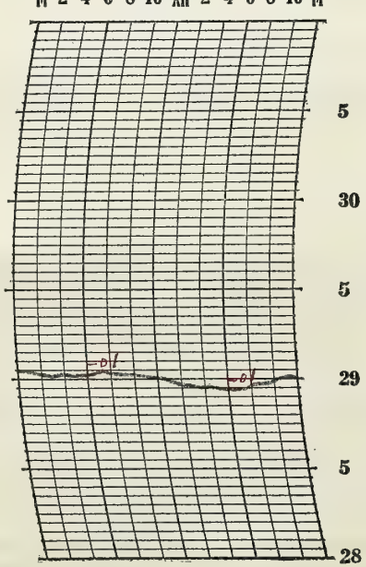
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H

NOTES

A Clear sultry day. No damage reported from moderate thunderstorms.

S—486

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met. 1

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) AUG 3 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	68	66	66	66	66	67	67	68	68	70	72
State of weather: Nature of precipitation and time of beginning and ending		R B DNA		R E DNA					R B 8:25	R E 9:05		
Amounts of precipitation		0.11	.01	.01					.01	T		
Cloudiness and other conditions								← Cldy				
Sunrise: Time, 4:39 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0
Wind direction	W	NW	NW	W	SW	SW	SW	SW	W	SW	SW	SW
Wind movement	7	13	4	3	3	5	3	4	4	2	3	5

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	75	78	81	80	81	80	78	74	72	71	69	68
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions		← Pt Cldy			← Clear				→			
Sunset: Time, 6:55 Character, Clear												
Moonset:												
Sunshine (in tenths of hours)	0.2	0.4	0.1	0.8 0.2	9.2 0							
Wind direction	SW	W	W	W	SW	SW	SW	S	S	S	SW	SW
Wind movement	7	6	6	7	5	7	5	5	4	4	4	4

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

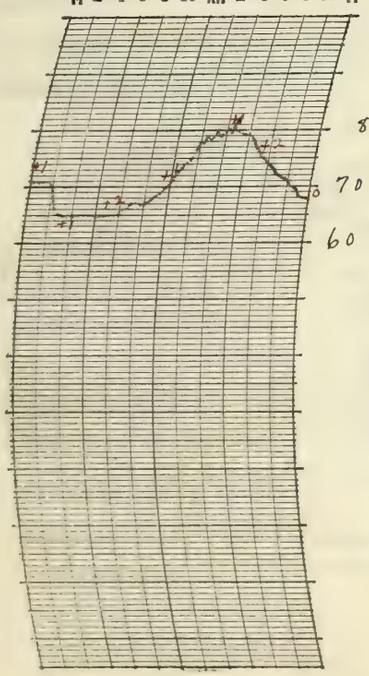
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
82	66	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.18 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, 0.14 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 2.7 Possible sunshine, hours, 14.3
Per cent of possible sunshine, 19
Prevailing wind direction, SW Total wind, 120
Average hourly velocity, 5.0 Extreme velocity, 21
Maximum velocity, 19 Direction, NW
Time began, 1:32 A
Reduced barometer, 30.00 7 a. m. 30.01 7 p. m.
River gage, −0.5 feet
Relative humidity, 97 7 a. m. 58 7 p. m.

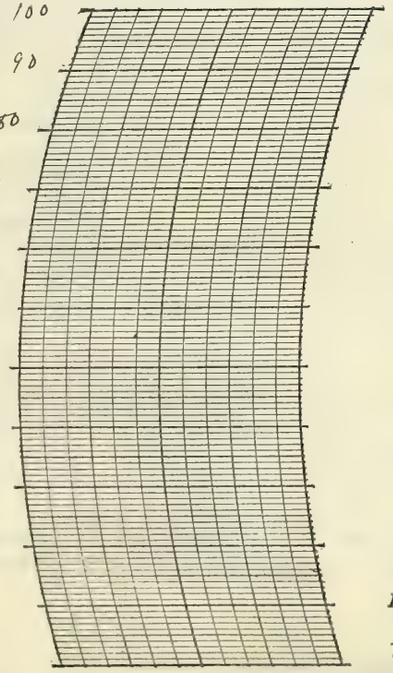
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 72.5 Wet temperature, 67.0
Dew-point, 64 R. humidity, 76 V. pressure, .595
Clouds: Amount, 9; Kind, Stcu; Direction, SW
Velocity of clouds (miles per hour)

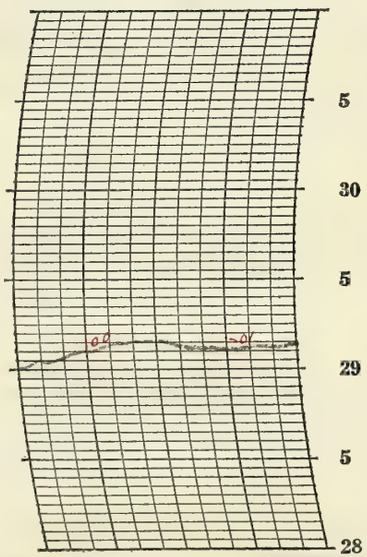
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.H.

8—486

NOTES

A moderate thunderstorm occurred in early morning but no damage reported. 7 lying conditions good

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) AUG 4 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	67	65	64	64	66	69	73	77	81	85	86
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							←					
Sunrise: Time, Character, 4:40 Clear												
Moonrise:												
Sunshine (in tenths of hours)					.33 0	1.0 0	0.5 0.5	0.8	1.0	1.0	1.0	1.0
Wind direction	S	S	S	SW	S	S	SW	SW	SW	SW	S	S
Wind movement	6	4	5	3	5	4	2	5	5	4	4	3
Maximum velocities (exceeding 2.4 miles) direction and time												

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	87	90	89	89	88	88	85	82	79	76	76	75
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Clear								→	
Sunset: Time, Character, 6:54 Clear												
Moonset:												
Sunshine (in tenths of hours)	0.8	1.0	0.9	1.0	1.0	0.8 0.2	.90 0					
Wind direction	SW	SW	W	SW	W	W	SW	SW	SW	SW	O	SW
Wind movement	5	5	5	5	6	3	4	2	3	2	0	2
Maximum velocities (exceeding 2.4 miles) direction and time												

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
90	64	77	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 13.7 Possible sunshine, hours, 14.2
Per cent of possible sunshine, 96
Prevailing wind direction, SW Total wind, 92
Average hourly velocity, 3.8 Extreme velocity, 10
Maximum velocity, 10 Direction, W
Time began, 4:00 P
Reduced barometer, 30.057 a. m. 29.98 7 p. m.
River gage, -0.3 feet
Relative humidity, 77 7 a. m. 50 7 p. m.

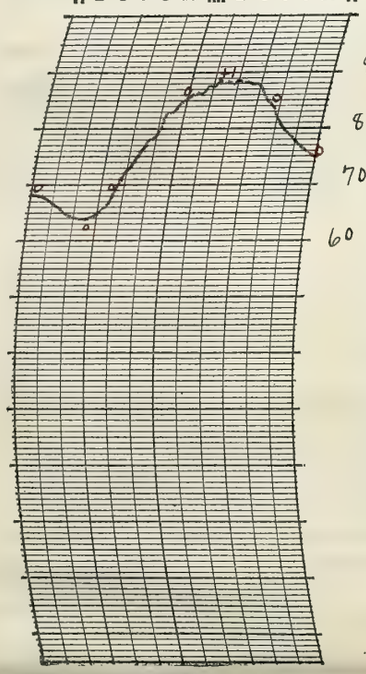
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 86.5 Wet temperature, 68.5
Dew-point, 59 R. humidity, 40 V. pressure, .499
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

THERMOGRAPH



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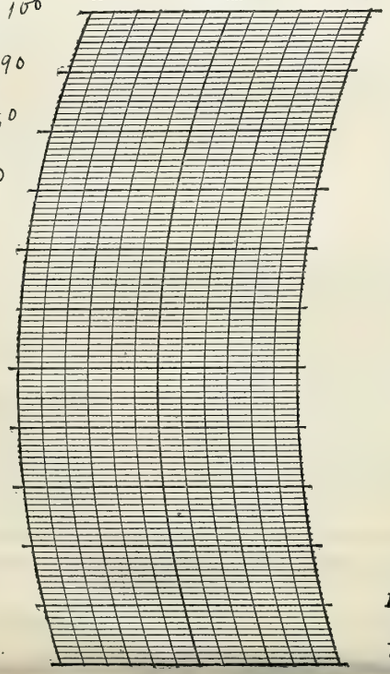
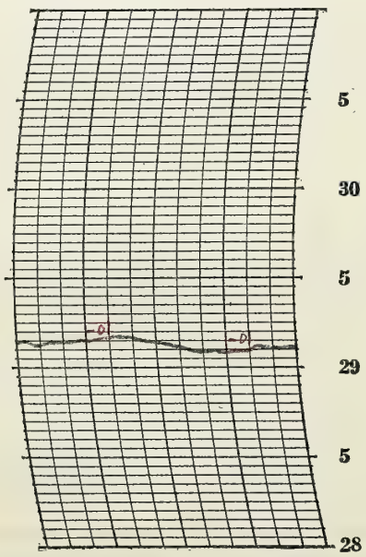


BAROGRAPH.



Prepared by L.C.S

Verified by E.L.H

NOTES

a Clear day: 7 lying conditions excellent.

8—486

Form No. 1012—Met. 1

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) AUG 5 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	73	70	70	70	68	69	72	78	84	87	90	91	91	92	94	93	93	91	90	86	83	83	80	78
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←					Clear										→			
Sunshine (in tenths of hours)					.32 0	1.0 0	0.5 0.5	1.0	1.0	1.0	1.0	1.0	0.8	0.6	0.9	1.0	1.0	0.9 0.1	.88 0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	W	SW	W	SW	S	S	SE	NE	E	E	SE	SE	0	0	SE	SE
Wind movement	1	3	2	2	2	3	2	2	2	3	2	3	4	4	2	4	4	5	2	1	0	0	2	1
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 441 Character, Clear

Moonrise:

Sunset: Time, 6:53 Character, Clear

Moonset:

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

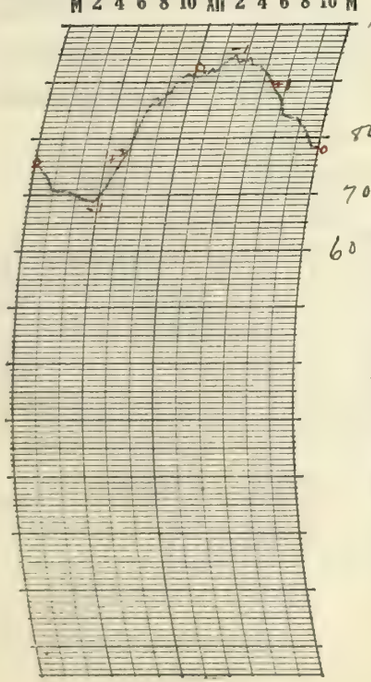
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
94	68	81	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 13.5 Possible sunshine, hours, 14.2
Per cent of possible sunshine, 95
Prevailing wind direction, SW Total wind, 56
Average hourly velocity, 2.3 Extreme velocity, 7
Maximum velocity, 7 Direction, E
Time began, 4:22 P
Reduced barometer, 30.05 7 a. m. 29.95 7 p. m
River gage, −0.2 feet
Relative humidity, 71 7 a. m. 37 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 90.9 Wet temperature, 70.9
Dew-point, 61 R. humidity, 37 V. pressure, 536
Clouds: Amount, 1; Kind, a Cu.; Direction, S
Velocity of clouds (miles per hour)

THERMOGRAPH



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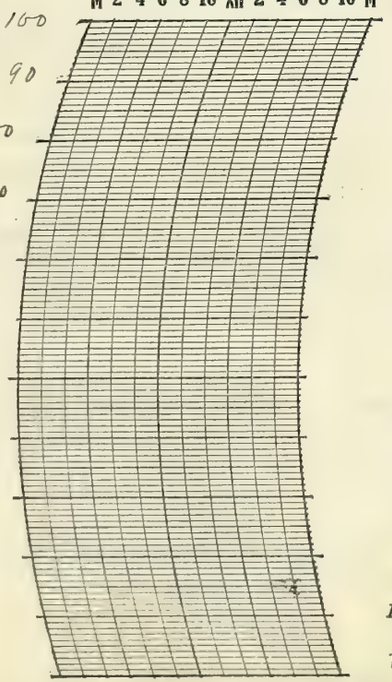
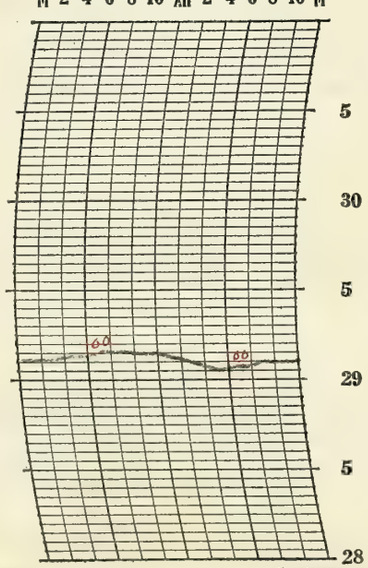


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

a clear sultry day. Flying conditions excellent.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) AUG 6 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	77	77	76	73	72	73	77	82	85	87	90	91	92	93	94	93	92	91	89	86	83	83	80	79
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←								Clear							→		
Sunrise: Time, 442 Character, Clear																					Sunset: Time, 6:52 Character, Cloudy			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)					.30 0	1.0 0	0.6 0.4	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	0.9	0.5	0	0					
Wind direction	S	SW	SW	S	S	S	S	SE	SE	S	SE	E	E	E	E	E	SE	SE	SE	SE	0	0	0	SE
Wind movement	4	4	2	1	2	2	1	1	1	1	3	5	5	9	9	7	7	6	3	5	0	0	0	1
Maximum velocities (exceeding 24 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

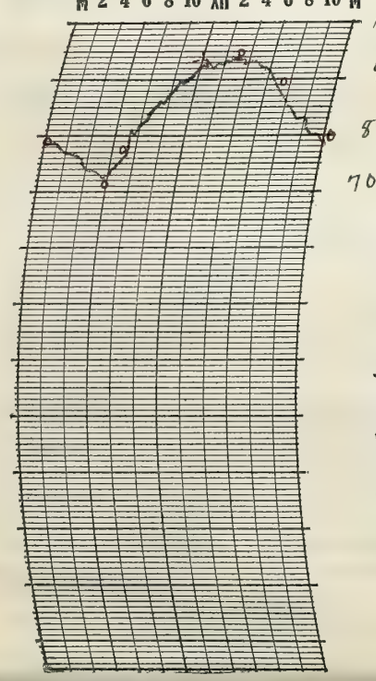
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
94	72	83	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 11.6 Possible sunshine, hours, 14.2
Per cent of possible sunshine, 82
Prevailing wind direction, SE Total wind, 79
Average hourly velocity, 3.3 Extreme velocity, 13
Maximum velocity, 13 Direction, E
Time began, 1:25 P
Reduced barometer, 29.98 7 a. m. 29.92 7 p. m.
River gage, +0.4 feet
Relative humidity, 68 7 a. m. 38 7 p. m.

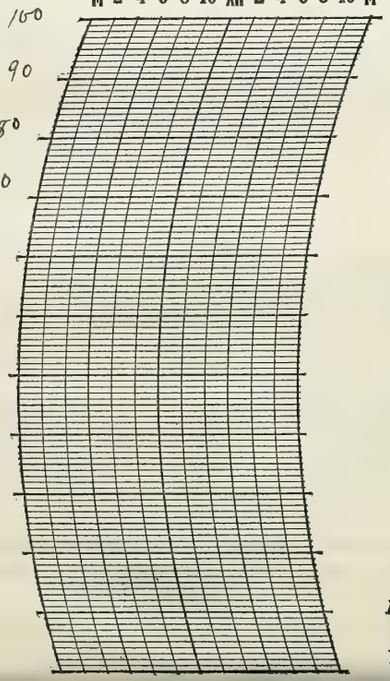
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 91.0 Wet temperature, 70.9
Dew-point, 61 R. humidity, 37 V. pressure, .536
Clouds: Amount, 3; Kind, Cu; Direction, SE
Velocity of clouds (miles per hour)

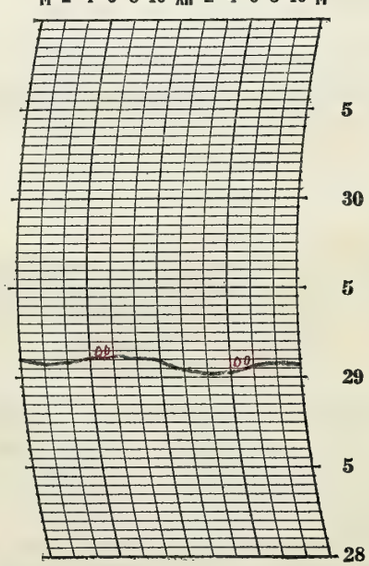
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.H

NOTES

A Clear warm day.
Flying conditions excellent

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) AUG 7 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	77	76	75	73	72	72	78	82	86	88	90	91	92	92	92	93	91	90	88	86	83	82	81	80
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions																								
Sunshine (in tenths of hours)					.28 0	1.0 0	0.9 0.1	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	0.3	0	0					
Wind direction	0	0	0	0	0	0	0	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	0	0	0	0	0	0	0	1	5	7	9	10	9	8	7	8	8	7	5	5	5	5	5	6
Maximum velocities (exceeding 24 miles) direction and time																								

Clear → x → P+Cldy →

Sunrise: Time, 4:43 Character, Clear
Moonrise:
Sunset: Time, 6:51 Character, Cloudy
Moonset:

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

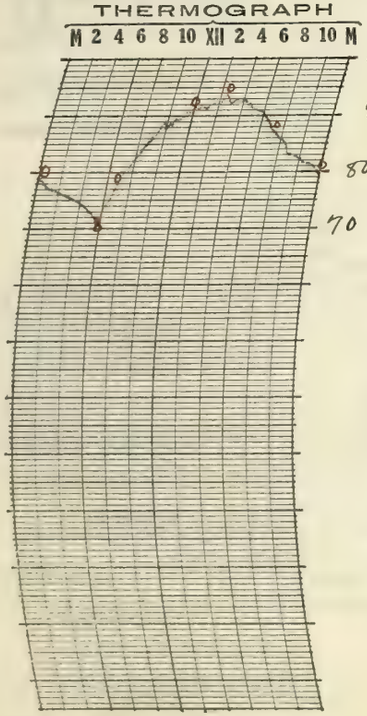
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
94	71	82	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 11.5 Possible sunshine, hours, 14.1
Per cent of possible sunshine, 82
Prevailing wind direction, SE Total wind, 11.0
Average hourly velocity, 4.6 Extreme velocity, 14
Maximum velocity, 14 Direction, SE
Time began, 12:10 P
Reduced barometer, 29.98 7 a. m. 29.91 7 p. m
River gage, +0.5 feet
Relative humidity, 73 7 a. m. 41 7 p. m.

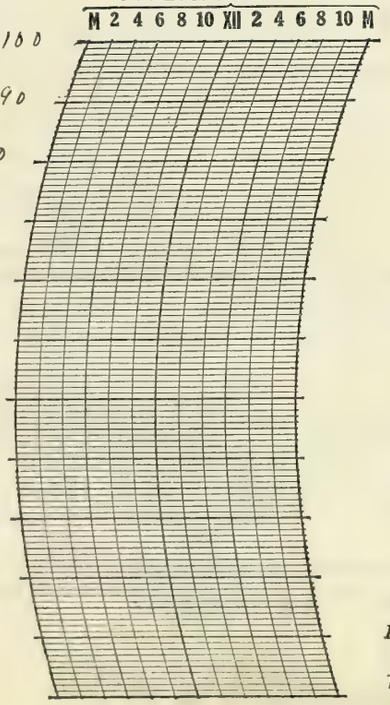
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 91.1 Wet temperature, 71.0
Dew-point, 61 R. humidity, 37 V. pressure, .536
Clouds: Amount, 3; Kind, a cu; Direction, S
Velocity of clouds (miles per hour)

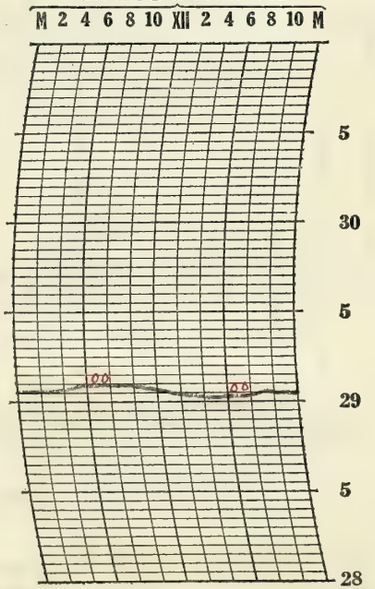
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.
Verified by E. A. H.

8—486

NOTES

a clear sultry day. Flying conditions excellent

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) AUG 8 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	77	77	76	76	74	74	77	81	84	88	88	89	90	90	91	91	92	91	88	87	85	84	83	77
State of weather: Nature of precipitation and time of beginning and ending																								R.B. 20 NF
Amounts of precipitation																								.01
Cloudiness and other conditions								← Clear				X	Pt Cldy											→
Sunshine (in tenths of hours)					.27 0	1.0 0	0.7 0.2	0.9	1.0	0.9	1.0	1.0	1.0	1.0	0.6	0.6	0.9	0.1	0					
Wind direction	S	S	S	S	0	S	SE	S	SW	SW	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	NW
Wind movement	7	5	3	3	0	2	3	2	4	5	8	8	11	11	10	9	9	8	4	5	5	7	7	17
Maximum velocities (exceeding 24 miles) direction and time																								NW-25 11:21

Sunrise: Time, 4:44 Character, Clear
Moonrise:

Sunset: Time, 6:49 Character, Cloudy
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

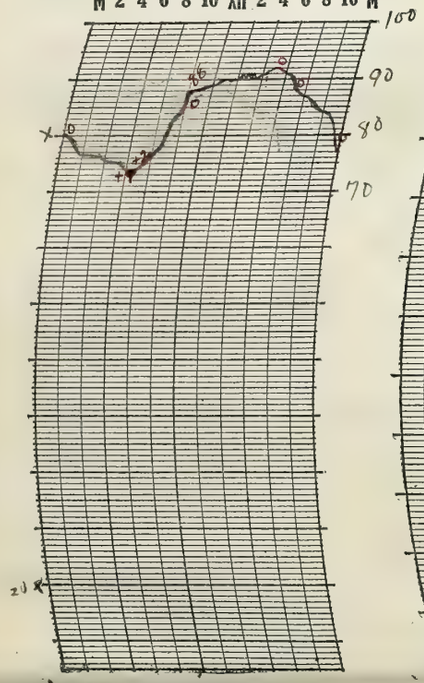
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
92	74	83	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Pt Cldy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 11.2 Possible sunshine, hours, 14.1
Per cent of possible sunshine, 79
Prevailing wind direction, SW Total wind, 153
Average hourly velocity, 6.4 Extreme velocity, 26
Maximum velocity, 25 Direction, NW
Time began, 11:21 P
Reduced barometer, 29.96 7 a. m. 29.83 7 p. m.
River gage, −0.3 Feet
Relative humidity, 79 7 a. m. 56 7 p. m.

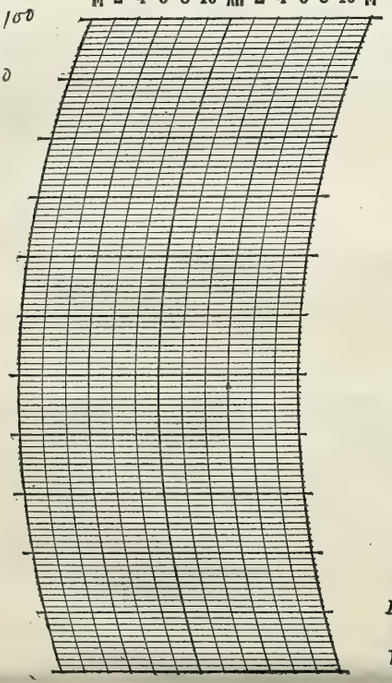
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 89.0 Wet temperature, 75.0
Dew-point, 69 R. humidity, 52 V. pressure, .707
Clouds: Amount, 4; Kind, Cu; Direction, S
Velocity of clouds (miles per hour)

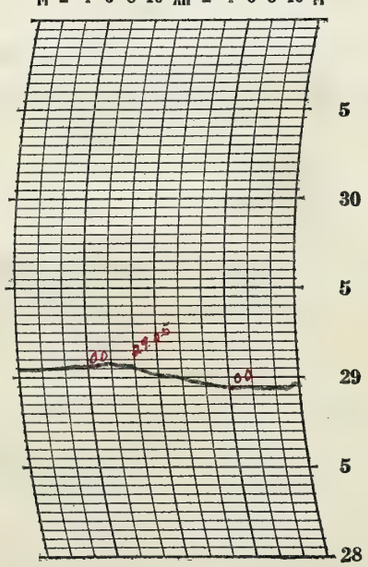
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by E L H

8—485

NOTES

a part cloudy sultry day.
Thunderstorm occurred late at night but no damage reported.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) AUG 9 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	72	72	72	72	72	73	74	77	76	78	79
State of weather: Nature of precipitation and time of beginning and ending	Rain				R.E. DNA					RB 9:45	RE 10:30	
Amounts of precipitation	0.45	0.15	.01	0.12	0.7					T	.01	
Cloudiness and other conditions	← Cloudy											
Sunrise: Time, 4:44 Character,												
Moonrise:												
Sunshine (in tenths of hours)					0	0	0	0	0.2	0	0.4	0.7
Wind direction	N	SW	S	SW	SW	SW	SW	W	W	NW	NW	NW
Wind movement	12	6	7	6	5	5	5	7	3	8	8	11

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	81	82	81	81	82	77	76	74	73	72	70	70
State of weather: Nature of precipitation and time of beginning and ending											RB DNP	Rain
Amounts of precipitation											.07	0.8
Cloudiness and other conditions	→ Cloudy											
Sunset: Time, 6:48 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0.2	0.6	0	0.3	0.2	0	0					
Wind direction	NW	NW	NW	NW	NW	NW	NW	N	N	NW	NW	NE
Wind movement	10	9	9	10	10	7	6	4	4	6	3	3

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

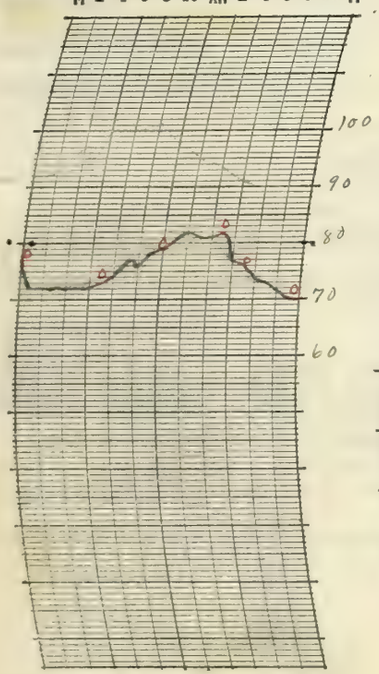
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
82	70	76	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.81 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, 0.96 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 2.6 Possible sunshine, hours, 14.1
Per cent of possible sunshine, 18
Prevailing wind direction, NW Total wind, 164
Average hourly velocity, 6.8 Extreme velocity, 15
Maximum velocity, 15 Direction, W
Time began, 12:13 A
Reduced barometer, 29.84 7 a. m. 29.81 7 p. m
River gage, +0.2 feet
Relative humidity, 98 7 a. m. 75 7 p. m.

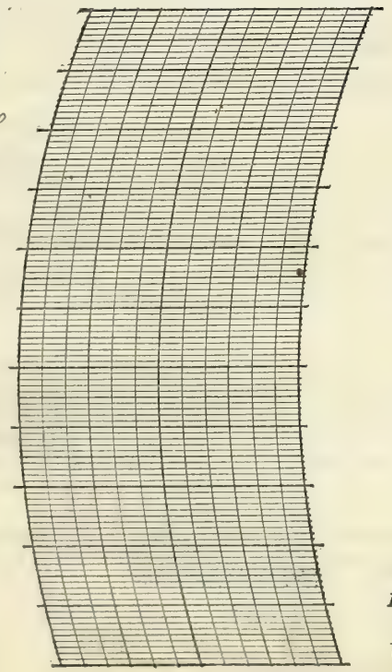
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 79.4 Wet temperature, 72.4
Dew-point, 67 R. humidity, 75 V. pressure, 661
Clouds: Amount, 9; Kind, Strat; Direction, W
Velocity of clouds (miles per hour)

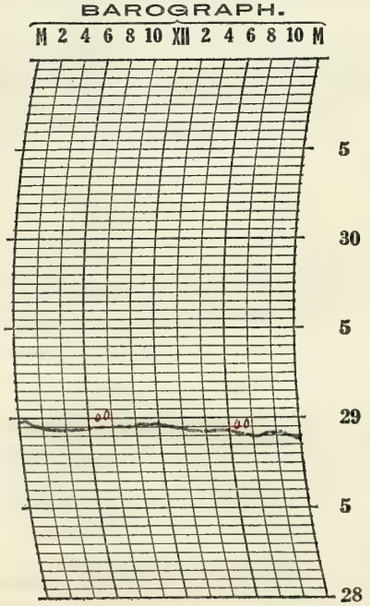
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.H

8—486

NOTES

a moderate thunderstorm continued from the day before ended D.N.A. no damage reported

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) AUG 10 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	68	66	64	65	64	65	65	68	72	74	76	77	78	76	76	76	74	72	72	70	67	65	63	62
State of weather: Nature of precipitation and time of beginning and ending	R Cont					R t D N R																		
Amounts of precipitation	0.20	0.33	0.4	0.10	0.8	0.7																		
Cloudiness and other conditions								← Cldy			Pt Cldy					→ Cldy			→ Pt Cldy					
Sunshine (in tenths of hours)					0	0	0	0.3	0.9	0.9	0.9	1.0	1.0	1.0	0.4	0.3	0	0	0					
Wind direction	W	W	N	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	3	6	6	7	10	5	4	3	7	7	11	12	12	12	11	12	11	8	7	7	7	5	5	5
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 7:45 Character, Cloudy
Moonrise:

Sunset: Time, 6:47 Character, Cloudy
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

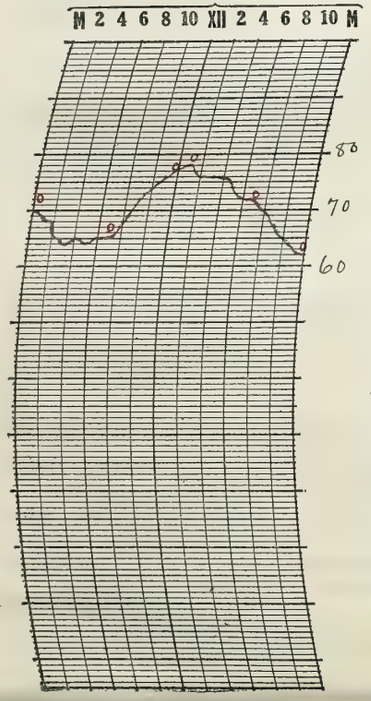
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
78	62	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.92 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0.77 inches.
Character of day, Pt Cldy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 6.7 Possible sunshine, hours, 14.0
Per cent of possible sunshine, 48
Prevailing wind direction, NW Total wind, 183
Average hourly velocity, 7.6 Extreme velocity, 17
Maximum velocity, 17 Direction, NW
Time began, 11:44 A
Reduced barometer, 29.81 a. m. 29.86 p. m.
River gage, +0.5 feet
Relative humidity, 90 a. m. 58 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 76.8 Wet temperature, 62.0
Dew-point, 52 R. humidity, 43 V. pressure, .387
Clouds: Amount, 4; Kind, a Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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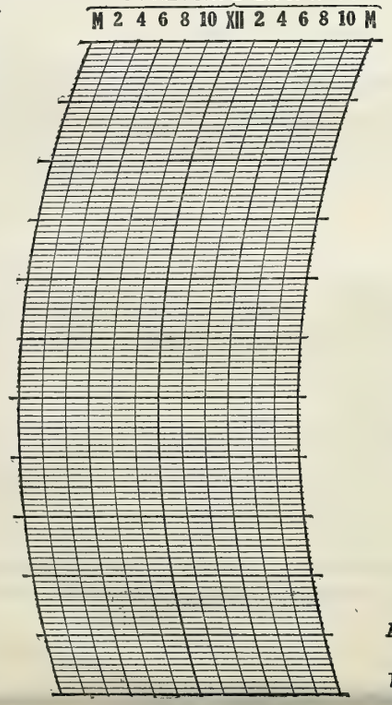
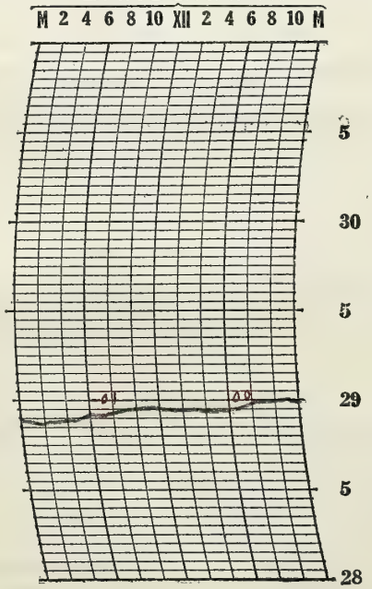


BAROGRAPH.



Prepared by E. C. S

Verified by E. L. H

NOTES

a fast Cloudy Cool day. 7 lying conditions good.

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) AUG 11 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	61	61	60	60	60	61	63	64	66	67	69	70
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Fog		Pt Cldy				
Sunshine (in tenths of hours)					0	0	0	0	0	0.7	0.8	0
Wind direction	NW	NW	N	N	N	N	N	N	NE	N	N	N
Wind movement	2	3	5	6	5	8	9	10	11	14	12	12
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	72	73	70	65	66	66	65	64	63	62	61
State of weather: Nature of precipitation and time of beginning and ending				PB 3:55		RE 5:50					PB 10 NP RE DWP	
Amounts of precipitation				T	0.17	0.10					T	
Cloudiness and other conditions				Cldy		Pt Cldy						
Sunshine (in tenths of hours)	0.2	0.6	0.7	0.4	0	0	0					
Wind direction	NE	N	N	NE	N	NE	NE	N	NE	N	N	N
Wind movement	12	15	15	14	13	4	6	7	8	8	8	7
Maximum velocities (exceeding 24 miles) direction and time												

Sunrise: Time, 4:47 Character, Cloudy
Moonrise:

Sunset: Time, 6:45 Character, Cloudy
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

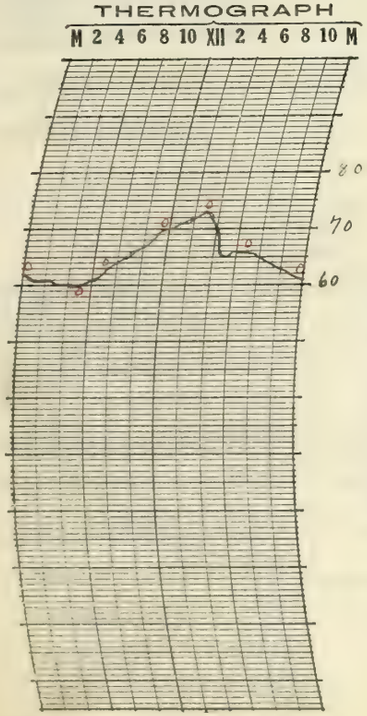
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
73	60	66	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m. 0.27 ins.
Total precipitation, midnight to midnight, 0.27 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 3.4 Possible sunshine, hours, 14.0
Per cent of possible sunshine, 24
Prevailing wind direction, N Total wind, 214
Average hourly velocity, 8.9 Extreme velocity, 23
Maximum velocity, 22 Direction, NE
Time began, 4:00 P
Reduced barometer, 29.96 7 a. m. 30.03 7 p. m.
River gage, -0.5 feet
Relative humidity, 85 7 a. m. 74 7 p. m.

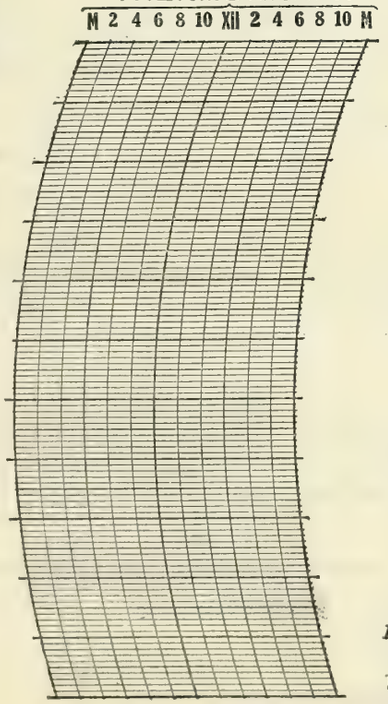
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 69.9 Wet temperature, 61.0
Dew-point, 55 R. humidity, 60 V. pressure, 432
Clouds: Amount, 9; Kind, Ac Cu; Direction, N
Velocity of clouds (miles per hour)

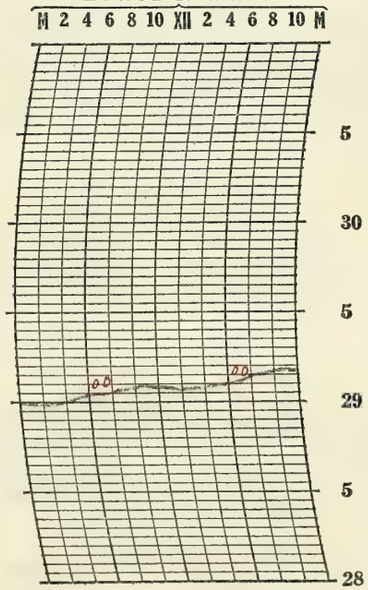
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.
Verified by E.L.H

8—486

NOTES

a fair cloudy day. 7 flying conditions good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) AUG 12 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	58	57	58	58	57	58	61	62	67	68	69	70	69	68	69	68	67	66	65	65	65	64	64
State of weather: Nature of precipitation and time of beginning and ending														RB 1:25 RE 1:40										
Amounts of precipitation														T										
Cloudiness and other conditions												Cloudy												
Sunshine (in tenths of hours)					0	0	0	0	0	0.6	0	0	0	0	0	0	0	0	0					
Wind direction	N	N	N	N	N	N	N	N	N	N	N	N	NE	N	N	NE	NE	N	N	N	N	N	N	N
Wind movement	7	7	7	6	6	8	6	7	7	8	7	7	5	7	9	7	8	6	2	1	2	7	7	7
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4:48 Character, cloudy
Moonrise:
Sunset: Time, 6:44 Character, Cloudy
Moonset:

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

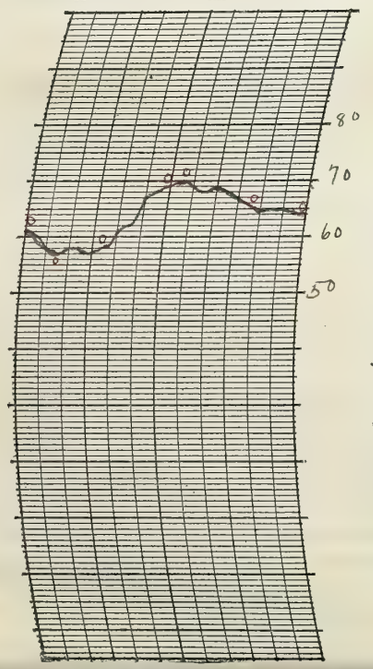
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
70	57	64	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 0.6 Possible sunshine, hours, 13.9
Per cent of possible sunshine, 4
Prevailing wind direction, N Total wind, 151
Average hourly velocity, 6.3 Extreme velocity, 14
Maximum velocity, 14 Direction, N
Time began, 2:04 P
Reduced barometer, 30.12 7 a. m. 30.12 7 p. m.
River gage, -0.3 feet
Relative humidity, 75 7 a. m. 71 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 69.2 Wet temperature, 60.5
Dew-point, 55 R. humidity, 60 V. pressure, .432
Clouds: Amount, 10; Kind, St Cu; Direction, NE
Velocity of clouds (miles per hour)

THERMOGRAPH



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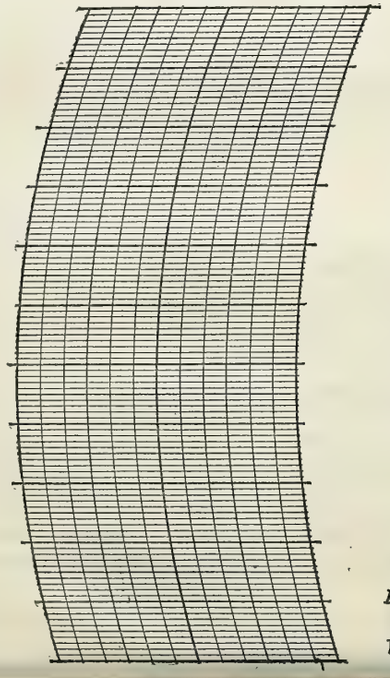

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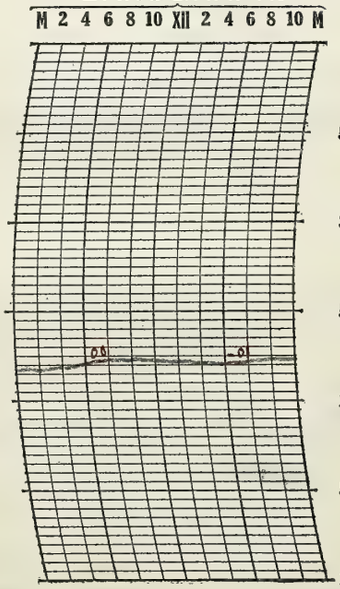


Prepared by L. C. S.

Verified by E. L. H

S—486

NOTES

a Cloudy day Suitable for flying

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) AUG 13 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	62	61	59	58	57	58	59	61	64	66	70	73	76	76	78	66 RB 3:35	67 RE 4:55	68	67	66	66	64	64	63
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																.18	.09							
Cloudiness and other conditions													Cloudy											
Sunshine (in tenths of hours)					0	0	0	0	0	0	0.2	0.9	1.0	1.0	0.7	0.3	0	0	0					
Wind direction	N	N	N	N	N	N	N	NW	NW	NW	NW	NW	N	N	N	N	NE	NW	NE	N	N	N	O	NW
Wind movement	7	8	7	7	4	5	6	6	7	8	8	8	10	8	7	12	3	1	2	1	1	2	0	1
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4:49 Character, Cloudy
Moonrise:
Sunset: Time, 6:43 Character, Cloudy
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

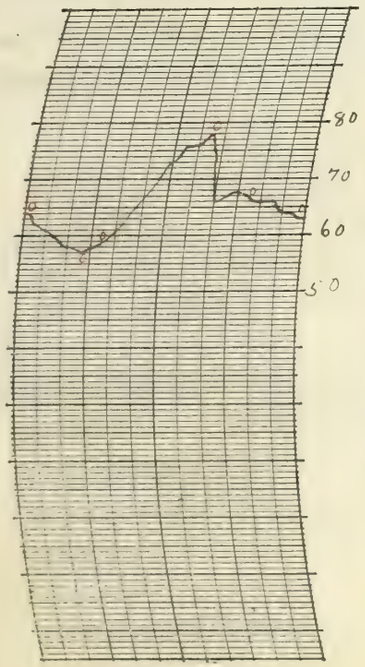
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
78	57	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0.17 ins.
Total precipitation, midnight to midnight, 0.17 inches.
Character of day, Cldy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 4.1 Possible sunshine, hours, 13.9
Per cent of possible sunshine, 29
Prevailing wind direction, N Total wind, 129
Average hourly velocity, 5.4 Extreme velocity, 21
Maximum velocity, 21 Direction, NE
Time began, 3:38 P
Reduced barometer, 30.16 7 a. m. 30.19 7 p. m.
River gage, -0.3 feet
Relative humidity, 78 7 a. m. 89 7 p. m.

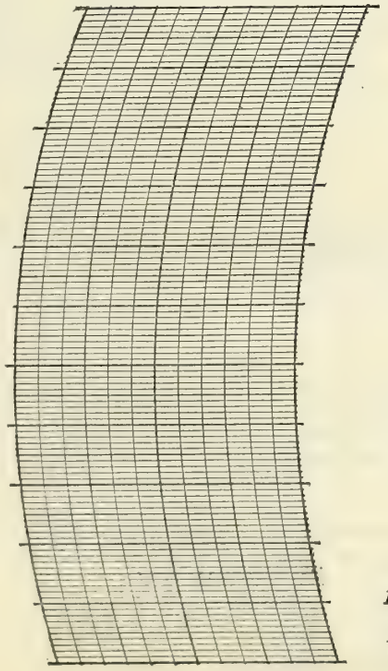
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 73.0 Wet temperature, 62.0
Dew-point, 55 R. humidity, 54 V. pressure, 432
Clouds: Amount, 7; Kind, Cu; Direction, N
Velocity of clouds (miles per hour)

THERMOGRAPH



THERMOGRAPH



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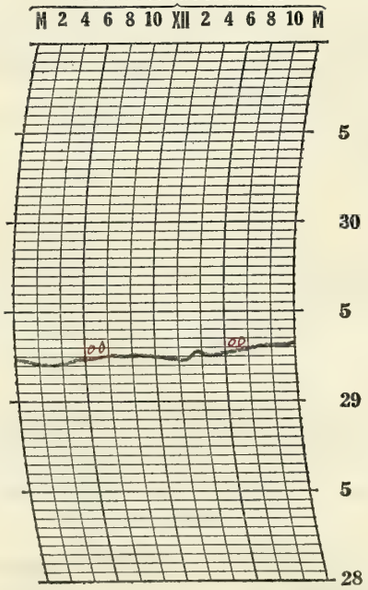


Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

a cloudy day. Flying conditions good

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) AUG 14 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	62	62	61	60	59	60	63	70	73	75	76	76
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Clear						
Sunshine (in tenths of hours)					.17 0	1.0 0	0.7 0.2	1.0	1.0	1.0	1.0	.01
Wind direction	NW	NW	NW	0	0	0	0	0	0	W	N	0
Wind movement	2	1	1	0	0	0	0	0	0	1	2	0

Sunrise: Time, 4:50 Character, Clear

Moonrise:

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	79	79	79	80	80	80	77	75	72	71	69	68
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Partly				Clear			
Sunshine (in tenths of hours)	0.7	0.7	0.2	0.2	0.1 0.9	1.0 0	.68 0					
Wind direction	E	NE	E	E	NE	E	E	E	E	E	E	E
Wind movement	4	4	5	2	4	3	4	4	3	2	3	2

Sunset: Time, 6:41 Character, Clear

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
80	59	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 2

Actual sunshine, hours, 10.6 Possible sunshine, hours, 13.4

Per cent of possible sunshine, 77

Prevailing wind direction, E Total wind, 47

Average hourly velocity, 2.0 Extreme velocity, 6

Maximum velocity, 6 Direction, E

Time began, 1:51 P

Reduced barometer, 30.31 7 a. m. 30.25 7 p. m.

River gage, +0.3 feet

Relative humidity, 91 7 a. m. 48 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

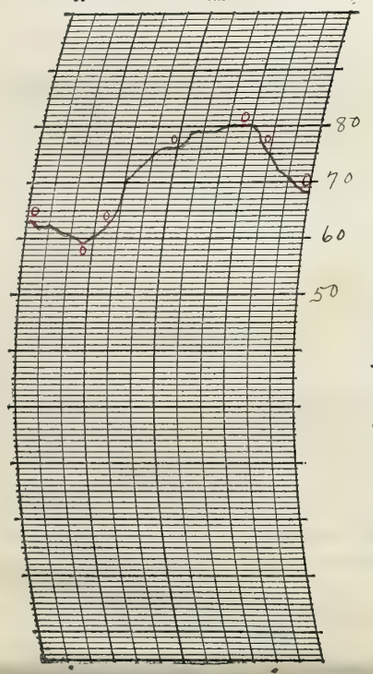
Dry temperature, 76.2 Wet temperature, 65.0

Dew-point, 59 R. humidity, 55 V. pressure, .499

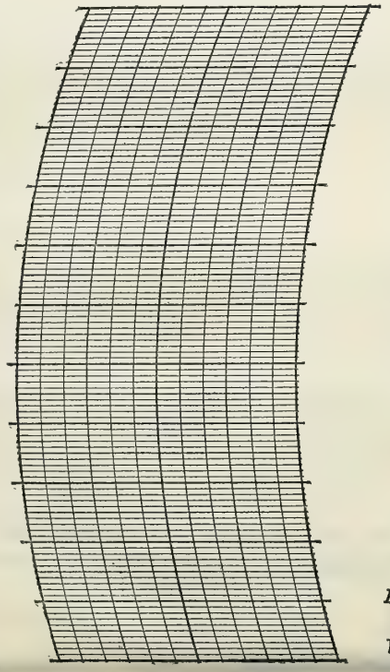
Clouds: Amount, 5; Kind, Cu; Direction, E

Velocity of clouds (miles per hour)

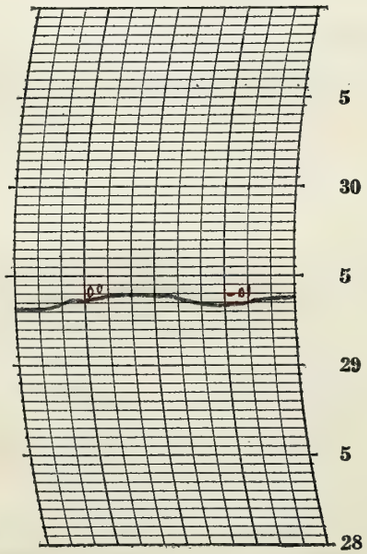
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H

NOTES

a Clear day. Flying conditions excellent.

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) AUG 15 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	67	66	66	65	64	64	69	72	76	79	80	82
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← clear					
Sunshine (in tenths of hours)					.15 0	1.0 0	0.7 0.3	1.0	1.0	1.0	1.0	1.0
Wind direction	E	E	E	E	E	E	0	SE	S	SW	W	W
Wind movement	2	2	2	1	3	1	0	4	5	4	4	5

Sunrise: Time, 4:51 Character, Clear
Moonrise:

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	82	83	84	84	83	83	81	79	76	74	73	72
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.8 0.2	.67 0					
Wind direction	SW	W	S	SW	SW	SW	0	0	S	0	0	0
Wind movement	3	4	3	2	2	3	0	0	1	0	0	0

Sunset: Time, 6:40 Character, Clear
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

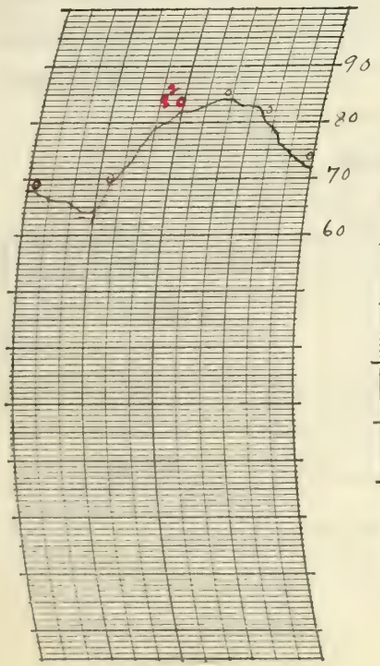
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
84	63	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 13.8 Possible sunshine, hours, 13.8
Per cent of possible sunshine, 100
Prevailing wind direction, E Total wind, 51
Average hourly velocity, 2.1 Extreme velocity, 6
Maximum velocity, 6 Direction, SW
Time began, 11:23 A
Reduced barometer, 30.34 7 a. m. 30.27 7 p. m.
River gage, −0.5 feet
Relative humidity, 73 7 a. m. 52 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 82.0 Wet temperature, 66.0
Dew-point, 57 R. humidity, 43 V. pressure, .465
Clouds: Amount, 4; Kind, acu; Direction, S
Velocity of clouds (miles per hour)

THERMOGRAPH



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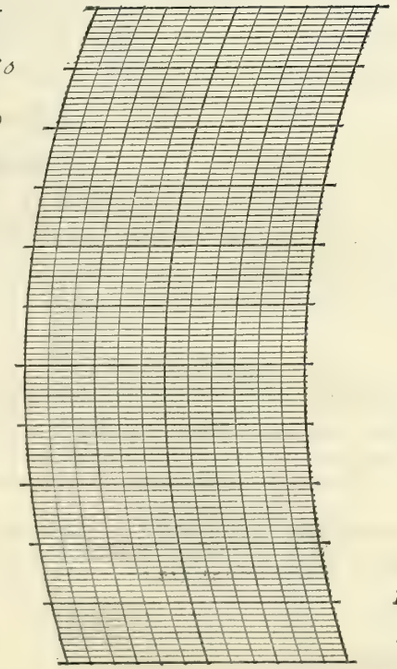
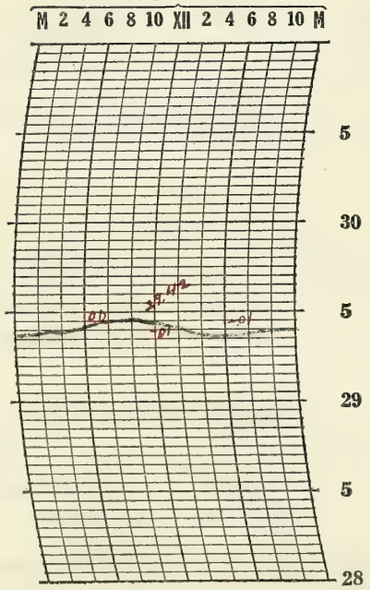


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

a Clear moderately warm Day.
7 flying conditions excellent

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) AUG 16 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	70	68	68	67	66	69	74	79	82	84	84
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions								←				
Sunrise: Time, 4:52 Character, Clear												
Moonrise:												
Sunshine (in tenths of hours)					.13 0	1.0 0	0.7 0.3	1.0	1.0	1.0	1.0	1.0
Wind direction	0	0	0	0	0	0	0	SW	SW	0	SW	SW
Wind movement	0	0	0	0	0	0	0	1	1	0	1	4
Maximum velocities (exceeding 24 miles) direction and time												

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	86	87	88	87	86	85	84	80	77	77	74	73
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Clear						→	
Sunset: Time, 6:39 Character, Clear												
Moonset:												
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.9	0.6 0.4	1.0 0	.65 0					
Wind direction	W	SW	W	W	W	0	0	0	0	0	0	0
Wind movement	3	2	3	4	2	0	0	0	0	0	0	0
Maximum velocities (exceeding 24 miles) direction and time												

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
88	66	77	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 13.7 Possible sunshine, hours, 13.8
Per cent of possible sunshine, 99
Prevailing wind direction, ~~SW~~ S Total wind, 21
Average hourly velocity, 0.9 Extreme velocity, 6
Maximum velocity, 6 Direction, SW
Time began, 12:11 P
Reduced barometer, 30.327 a. m. 30.22 p. m.
River gage, +0.3 feet
Relative humidity, 70 a. m. 41 p. m.

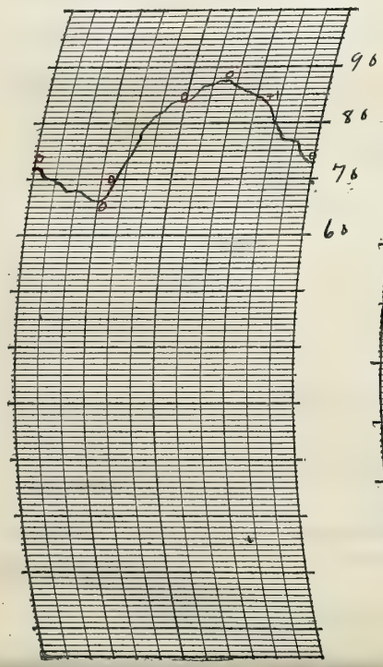
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 84.1 Wet temperature, 67.1
Dew-point, 58 R. humidity, 41 V. pressure, .482
Clouds: Amount, 1; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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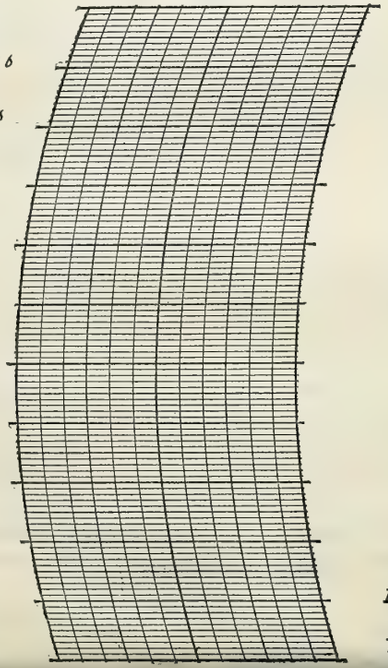
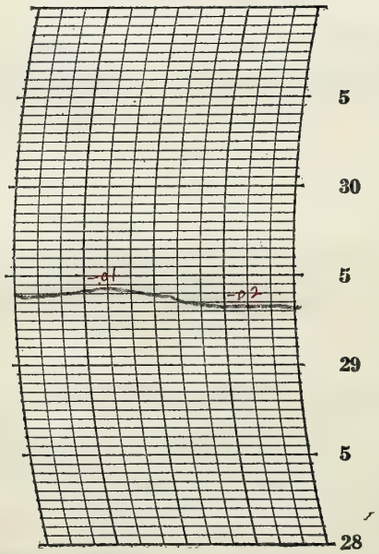


BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.H

3—486

NOTES

a Clear warm day. Flying conditions excellent.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) AUG 17 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	72	72	70	69	68	71	73	78	83	86	87	89	87	86	88	86	83	82	79	78	76	75	74
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Cldy X				Clear			X				Pt Cldy						→
Sunshine (in tenths of hours)					0	0	0	0.1	0.3	1.0	1.0	1.0	1.0	0.7	0.3	0.9	0.3	0	0					
Wind direction	0	0	0	0	SW	0	0	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	0	0	0	0	1	0	0	3	3	6	6	5	6	7	9	8	7	6	5	5	5	4	5	4
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4:53 Character, Cloudy
Moonrise:
Sunset: Time, 6:37 Character, Cloudy
Moonset:

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
89	68	78	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cldy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 6.6 Possible sunshine, hours, 13.7
Per cent of possible sunshine, 48
Prevailing wind direction, SW Total wind, 95
Average hourly velocity, 4.0 Extreme velocity, 10
Maximum velocity, 10 Direction, SW
Time began, 3:08 P
Reduced barometer, 30.21 7 a. m. 30.09 7 p. m
River gage, −0.3 feet
Relative humidity, 77 7 a. m. 58 7 p. m.

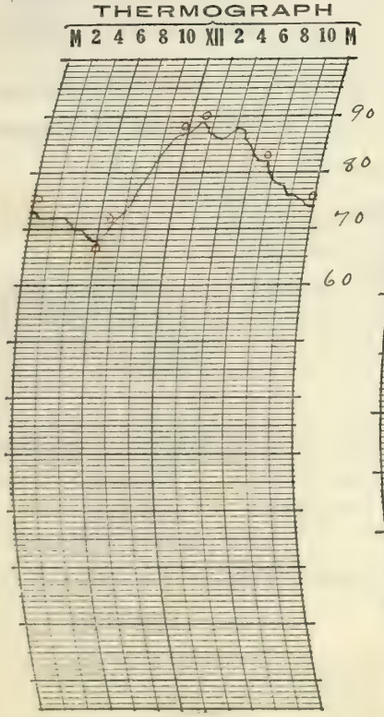
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 87.2 Wet temperature, 71.2
Dew-point, 63 R. humidity, 46 V. pressure, .575
Clouds: Amount, 1; Kind, a Cu ~~Cu St~~; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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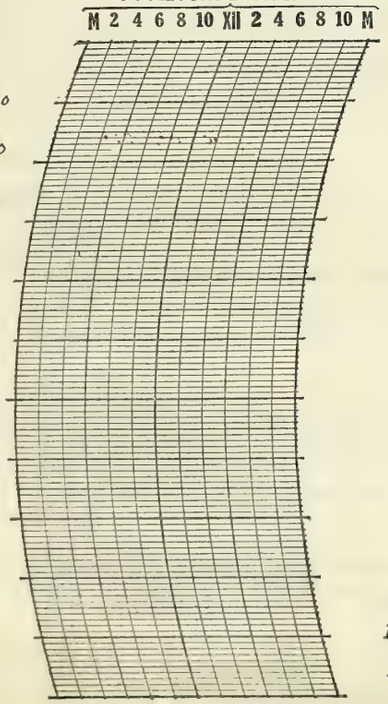
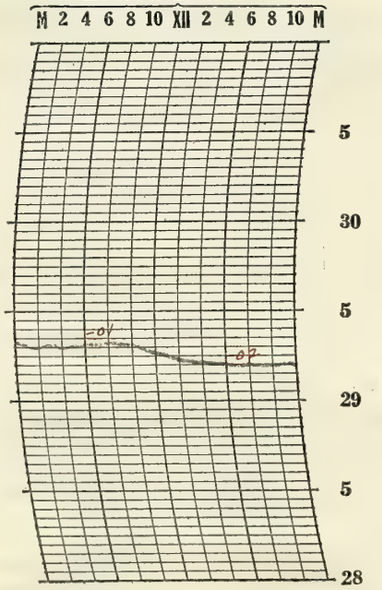


BAROGRAPH.



Prepared by L. C. S.
Verified by E. L. H.

8—486

NOTES

a fart cloudy day. Flying conditions good

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) AUG 18 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	73	72	71	71	70	70	72	75	76	76	77	80	83	80	72	74	74	72	71	71	70	70	70	69
State of weather: Nature of precipitation and time of beginning and ending															RB 2:20	RE 3:45								
Amounts of precipitation															08	02								
Cloudiness and other conditions													Cloudy											
Sunshine (in tenths of hours)					0	0	0	0.1	0.7	0	0	0.5	1.0	0.2	0	0	0	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W	W	W	SW	SW	SW	SW
Wind movement	5	5	4	4	6	6	8	9	10	8	10	11	10	11	12	7	8	7	5	4	5	6	6	5

Sunrise: Time, 4:54 Character, Cloudy
Moonrise:
Sunset: Time, 6:36 Character, Cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

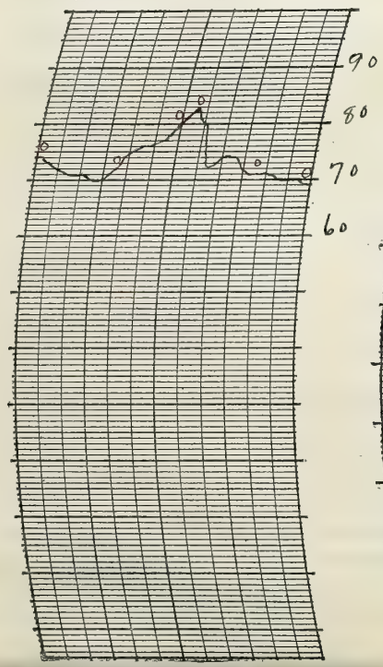
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
83	69	76	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0.10 ins.
Total precipitation, midnight to midnight, 0.10 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 2.5 Possible sunshine, hours, 13.7
Per cent of possible sunshine, 18
Prevailing wind direction, SW Total wind, 172
Average hourly velocity, 7.2 Extreme velocity, 22
Maximum velocity, 21 Direction, W
Time began, 2:33 P
Reduced barometer, 30.08 7 a. m. 30.01 7 p. m.
River gage, −0.3 feet
Relative humidity, 88 7 a. m. 85 7 p. m.

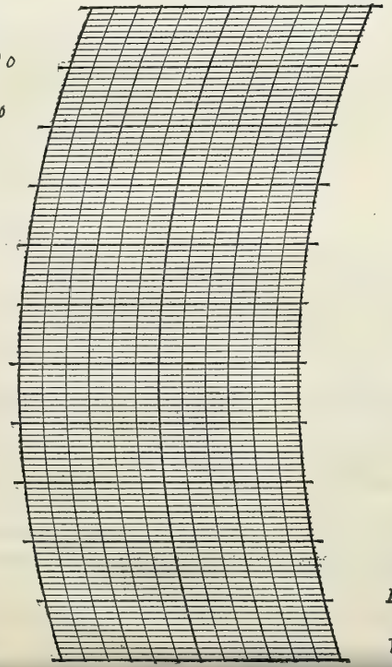
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 79.6 Wet temperature, 71.6
Dew-point, 68 R. humidity, 68 V. pressure, .684
Clouds: Amount, 6; Kind, ~~Cirr~~ a Cu; Direction, W
Velocity of clouds (miles per hour)

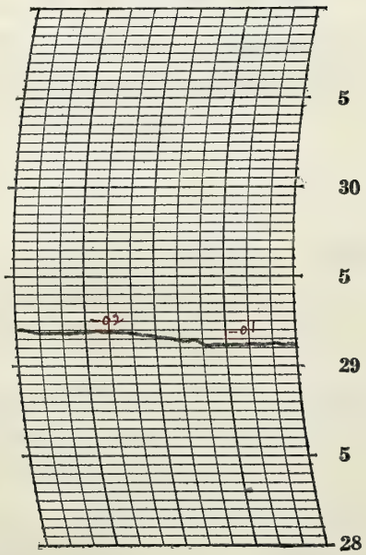
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by I.C.S.

Verified by E.L.H

8—486

NOTES

a Cloudy day. Suitable for flying. a moderate thunderstorm beginning at 2:10 PM and ending at 3:45 PM. Moved in an easterly course. No damage reported

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) AUG 19 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	69	68	68	69	69	69	69	69	69	72	73	75	77	80	78	78	77	76	76	74	71	71	70	70
State of weather: Nature of precipitation and time of beginning and ending							RB 6:10		RE 8:40				RB 12:30 RE 12:40											
Amounts of precipitation							T	T	.01				T											
Cloudiness and other conditions							←					Cloudy									→			
Sunrise: Time, Character	4:55 Cloudy																							
Moonrise:																								
Sunset: Time, Character																					6:34 Cloudy			
Moonset:																								
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0	0	1.0	0.6	0	0	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	NW	NW	W	W	W	W	W	NW	NE
Wind movement	6	5	6	6	5	5	4	5	4	4	5	5	4	4	7	5	3	3	1	3	2	3	3	4
Maximum velocities (exceeding 24 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

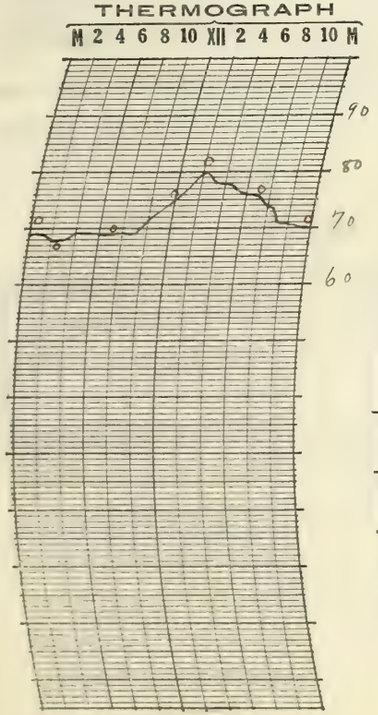
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
80	68	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 1.6 Possible sunshine, hours, 13.6
Per cent of possible sunshine, 12
Prevailing wind direction, SW Total wind, 102
Average hourly velocity, 4.2 Extreme velocity, 9
Maximum velocity, 9 Direction, W
Time began, 2:32 P
Reduced barometer, 30.00 7 a. m. 29.94 7 p. m.
River gage, −0.5 Feet
Relative humidity, 87 7 a. m. 70 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 75.2 Wet temperature, 69.7
Dew-point, 67 R. humidity, 76 V. pressure, .661
Clouds: Amount, 9; Kind, St; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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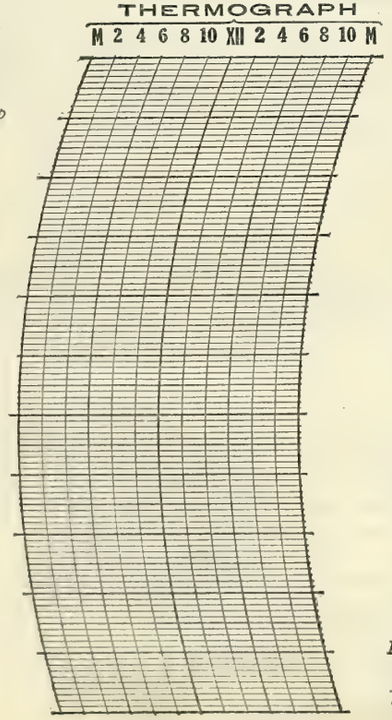
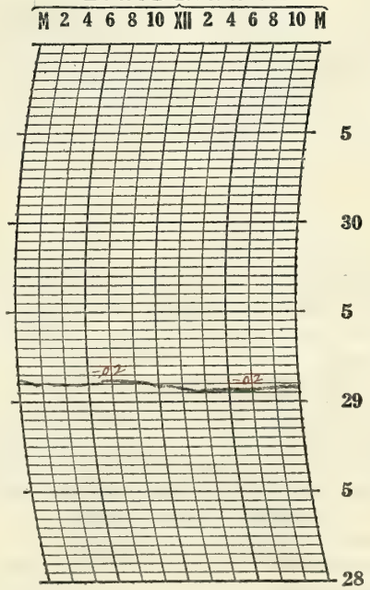


BAROGRAPH.



Prepared by L. C. S.

Verified by E. J. H

8—486

NOTES

a cloudy day. 7 lying conditions good

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) AUG 20 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	69	68	67	67	66	66	66	68	70	72	75	77
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Cloudy				× P+	
Sunshine (in tenths of hours)					0	0	0	0	0	0	0.6	1.0
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	7	8	8	7	7	6	8	7	8	7	5	7

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	77	80	72	76	76	73	73	70	76	68	67	65
Nature of precipitation and time of beginning and ending	RB 12:35 RE 12:45		RB 2:25 RE 2:50			RB 5:15 RE 5:25						
Amounts of precipitation	T		0.17			T						
Cloudiness and other conditions	Cloudy ×						Cloudy →					
Sunshine (in tenths of hours)	0.6	1.0	0.4	0.6	0.1	0	0					
Wind direction	NE	NE	NE	E	NE	N	NE	NE	NE	NE	NE	NE
Wind movement	7	10	12	10	7	6	5	5	6	7	8	8

Sunrise: Time, 4:56 Character, Cloudy

Moonrise: ____ ____

Sunset: Time, 6:38 Character, Cloudy

Moonset: ____ ____

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
80	65	72	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0.17 ins.

Total precipitation, midnight to midnight, 0.17 inches.

Character of day, Cloudy Moon phase, ____

Average daily cloudiness (0-10), 8

Actual sunshine, hours, 4.3 Possible sunshine, hours, 13.6

Per cent of possible sunshine, 32

Prevailing wind direction, NE Total wind, 176

Average hourly velocity, 7.3 Extreme velocity, 21

Maximum velocity, 19 Direction, NE

Time began, 2:28 P

Reduced barometer, 30.00 7 a. m. 30.00 7 p. m.

River gage, −0.5 feet

Relative humidity, 83 7 a. m. 72 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

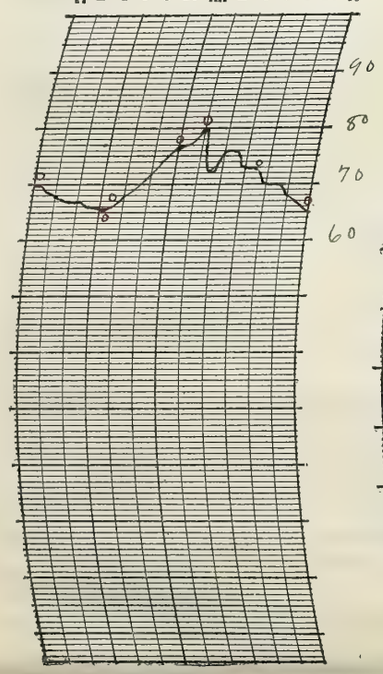
Dry temperature, 77.5 Wet temperature, 68.9

Dew-point, 62.5 R. humidity, 65 V. pressure, 616

Clouds: Amount, 7; Kind, a Cu.; Direction, W

Velocity of clouds (miles per hour)

THERMOGRAPH



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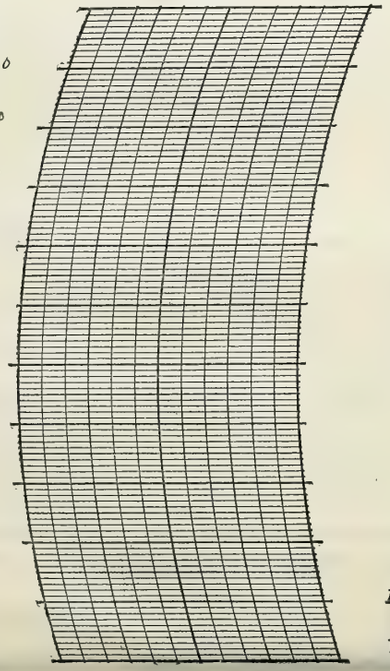

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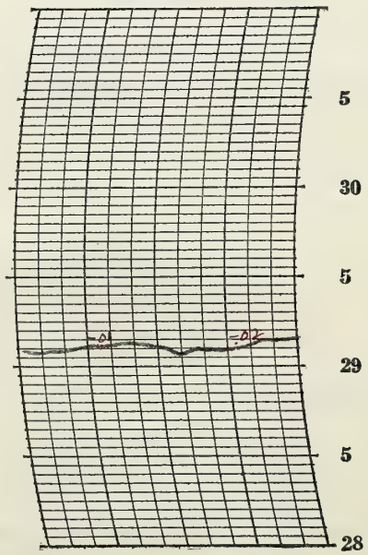


Prepared by L. C. S.

Verified by E. L. H

NOTES

A cloudy day. Flying conditions good. A moderate thunderstorm occurred from 2:38 P to 2:50 P and moved Southwest. No damage reported.

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) AUG 21 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	61	60	59	59	60	62	67	72	74	75	76	78	78	79	78	77	75	73	70	68	66	64	62
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions												Clear												
Sunshine (in tenths of hours)					.05 0	1.0 0	0.9 0.1	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0 0	.52 0					
Wind direction	NE	N	N	N	N	N	N	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	E	E	E	E	E
Wind movement	7	8	7	7	6	7	8	8	9	12	13	13	12	10	12	11	10	8	6	6	4	4	3	3
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4:57 Character, Clear

Moonrise:

Sunset: Time, 6:31 Character, Clear

Moonset:

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

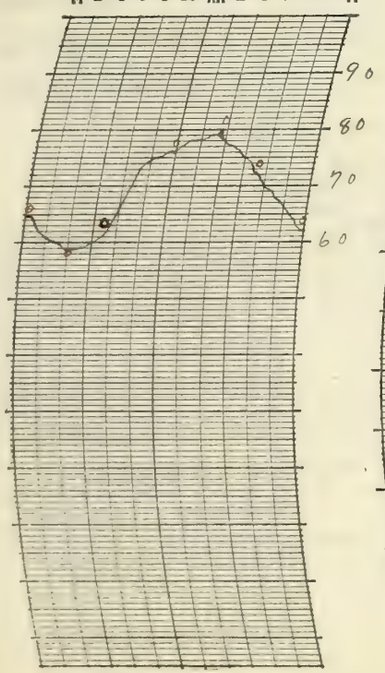
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
80	59	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 13.5 Possible sunshine, hours, 13.6
Per cent of possible sunshine, 99
Prevailing wind direction, NE Total wind, 194
Average hourly velocity, 8.1 Extreme velocity, 18
Maximum velocity, 17 Direction, NE
Time began, 10:12 A
Reduced barometer, 30.11 7 a. m. 30.12 7 p. m.
River gage, −0.5 feet
Relative humidity, 73 7 a. m. 40 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 76.0 Wet temperature, 58.8
Dew-point, 46 R. humidity, 35 V. pressure, .310
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

THERMOGRAPH



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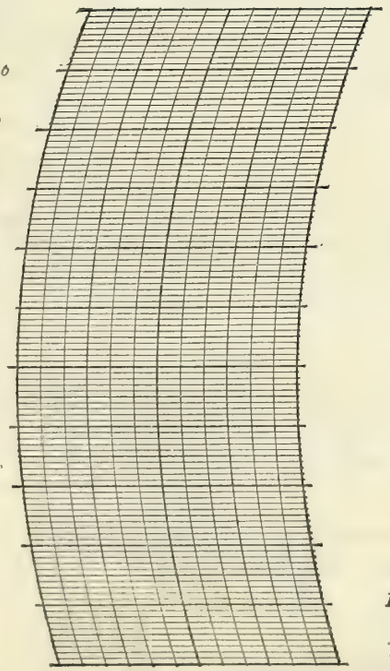
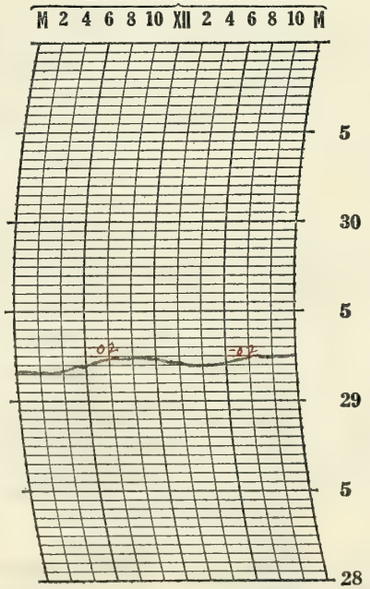


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

a Clear beautiful day: 7 flying conditions excellent

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) AUG 22 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	61	60	60	59	57	60	62	68	73	74	75	77
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												Clear
Sunrise: Time, 4:58 Character, Clear												
Moonrise:												
Sunshine (in tenths of hours)					0.3 0	1.0 0	0.6 0.4	1.0	1.0	1.0	1.0	1.0
Wind direction	E	NE	NE	NE	NE	NE	NE	NE	NE	N	N	N
Wind movement	4	5	5	5	4	5	5	4	6	8	9	9
Maximum velocities (exceeding 2.4 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	78	80	81	81	80	78	76	72	70	69	66	63
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunset: Time, 6:30 Character, Clear												
Moonset:												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.9 0.1	.50 0					
Wind direction	N	NE	N	NE	NE	E	E	E	SE	SE	SE	SE
Wind movement	10	8	9	6	6	6	4	5	6	6	5	2
Maximum velocities (exceeding 2.4 miles) direction and time												

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
81	57	69	

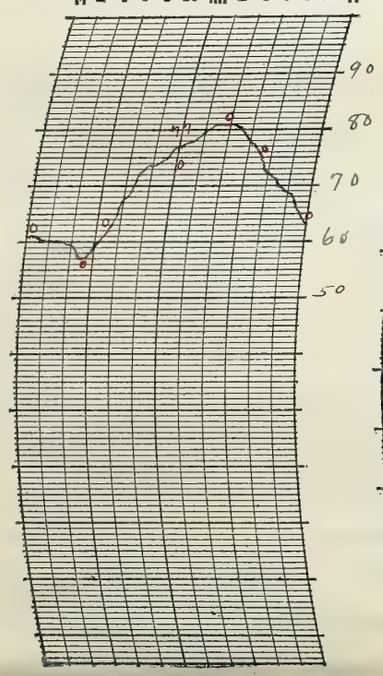
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 13.5 Possible sunshine, hours, 13.5
Per cent of possible sunshine, 100
Prevailing wind direction, NE Total wind, 142
Average hourly velocity, 5.9 Extreme velocity, 11
Maximum velocity, 11 Direction, N
Time began, 12:38 P
Reduced barometer, 30.20 7 a. m. 30.15 7 p. m.
River gage, −0.3 feet
Relative humidity, 73 7 a. m. 36 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 77.3 Wet temperature, 59.1
Dew-point, 46 R. humidity, 32 V. pressure, 310
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

THERMOGRAPH



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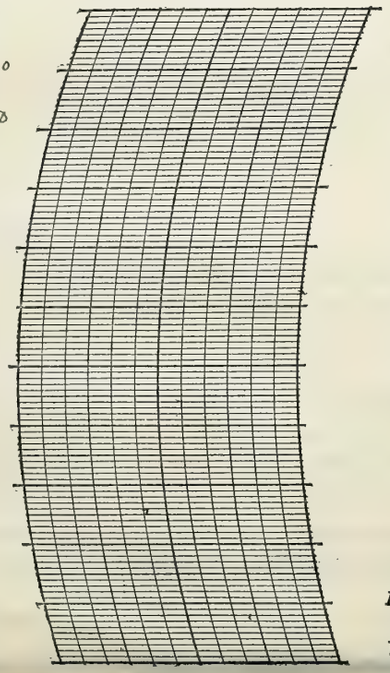

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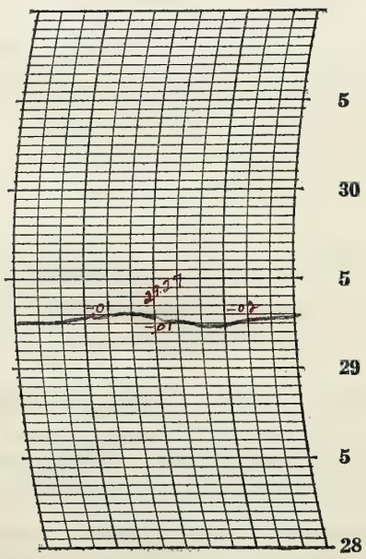


Prepared by L. C. S.

Verified by E. L. H

8—486

NOTES

a Clear beautiful day. 7 lying conditions excellent

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) AUG 23 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	62	61	60	59	58	62	70	75	77	79	81	82	83	84	83	82	79	78	74	72	70	69	68
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions																								
Sunshine (in tenths of hours)					.02 0	1.0 0	0.7 0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.6	0.6 0.4	1.0 0	.47 0					
Wind direction	SE	SE	SE	SE	0	SE	SE	SE	SE	SW	SW	W	NW	W	W	W	W	SW	SW	SW	SW	SW	SW	SW
Wind movement	2	2	3	3	0	1	1	2	4	4	5	5	4	6	4	4	5	4	4	7	5	3	5	4
Maximum velocities (exceeding 24 miles) direction and time																								

Clear — Partly

Sunrise: Time, 4:59 Character, Clear

Moonrise:

Sunset: Time, 6:28 Character, Clear

Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
84	58	71	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 3

Actual sunshine, hours, 12.8 Possible sunshine, hours, 13.5

Per cent of possible sunshine, 95

Prevailing wind direction, SW Total wind, 87

Average hourly velocity, 3.6 Extreme velocity, 8

Maximum velocity, 8 Direction, NW

Time began, 1:02 P

Reduced barometer, 30.24 7 a. m. 30.13 7 p. m

River gage, -0.5 Feet

Relative humidity, 75 7 a. m. 38 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

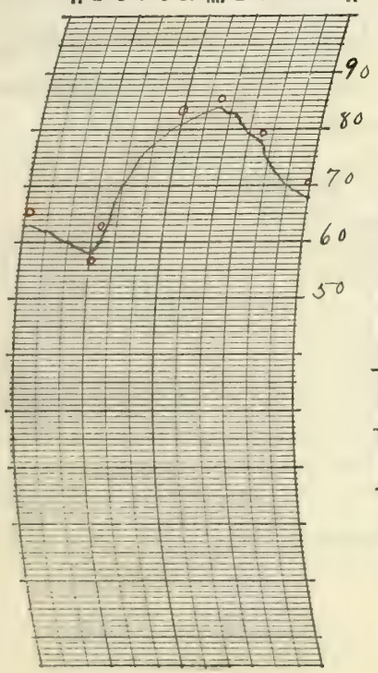
Dry temperature, 81.1 Wet temperature, 60.5

Dew-point, 45 R. humidity, 28 V. pressure, .298

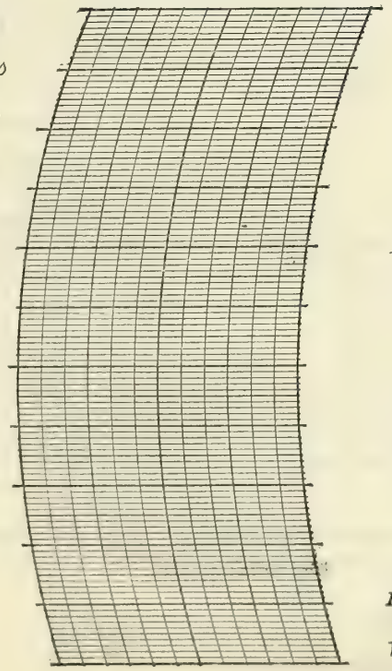
Clouds: Amount, FEW; Kind, Ci; Direction, NE

Velocity of clouds (miles per hour)

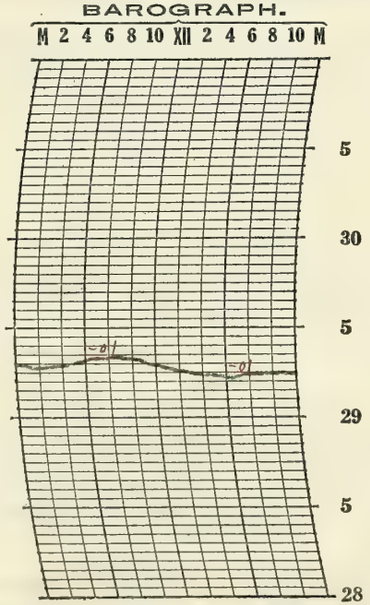
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.H.

8—486

NOTES

a Clear day. Flying conditions excellent

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) AUG 24 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	65	65	64	63	63	66	72	75	78	81	81	82	85	86	85	83	81	79	75	74	72	72	72
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Cloudy							→ Partly								→			
Sunshine (in tenths of hours)						1.0 0	1.0 0	0.4 0.4	1.0	0.8	1.0	0.6	0.8	0.9	0.9	0.8	0	0	0					
Wind direction	SW	SW	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	W	W	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	5	7	7	6	6	5	7	5	6	7	8	10	10	10	11	10	10	7	5	7	5	6	5	8
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 5:00 Character, Clear
Moonrise: ____ ____
Sunset: Time, 6:27 Character, Cloudy
Moonset: ____ ____

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

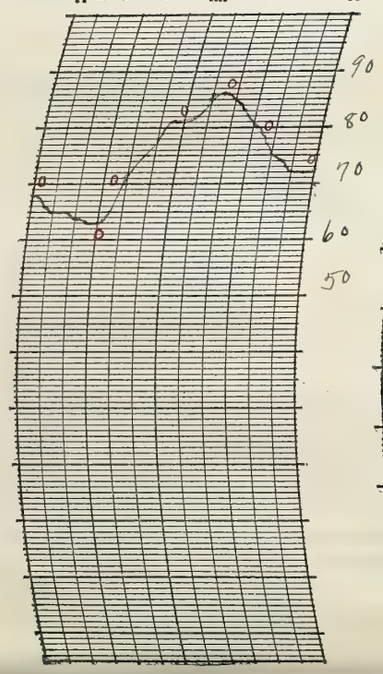
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
86	63	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cldy Moon phase, ____
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 9.6 Possible sunshine, hours, 13.4
Per cent of possible sunshine, 72
Prevailing wind direction, SW Total wind, 173
Average hourly velocity, 7.2 Extreme velocity, 13
Maximum velocity, 13 Direction, W
Time began, 3:32 P
Reduced barometer, 30.12 7 a. m. 30.007 p. m.
River gage, -0.5 feet
Relative humidity, 71 7 a. m. 52 7 p. m.

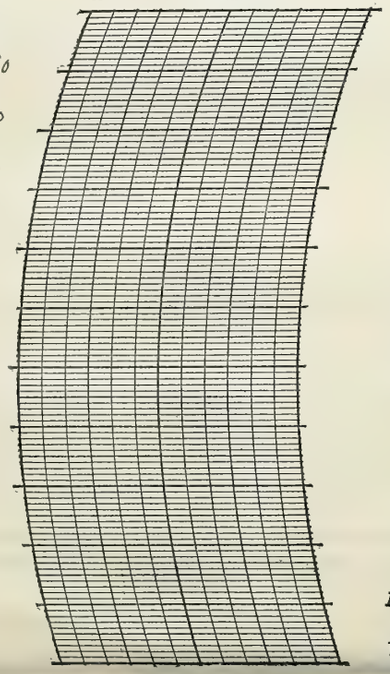
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 80.8 Wet temperature, 65.0
Dew-point, 56 R. humidity, 42 V. pressure, .448
Clouds: Amount, 9; Kind, Ci St; Direction, NE
Velocity of clouds (miles per hour) ____

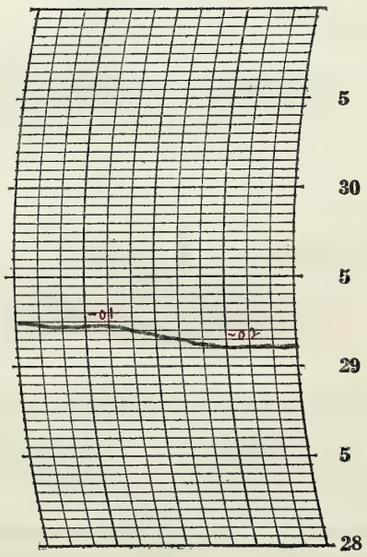
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H

S—486

NOTES

a fair cloudy day. 7 lying conditions excellent.

FORM NO. 1012—Met. 1

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) AUG 25 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	70	69	68	67	67	68	70	73	74	75	76
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Cloudy						
Sunrise: Time, 5:00 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)						0	0	0	1.0	1.0	0.6	0.9
Wind direction	W	W	SW	SW	W	NW	NW	N	NE	NE	N	N
Wind movement	8	8	7	7	3	3	3	6	5	4	5	5

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	78	78	78	79	78	75	74	72	71	70	70	69
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Pt Cloudy							
Sunrise: Time, Character,												
Moonrise:												
Sunset: Time, 6:25 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0.8	1.0	0.3	0.7	0	0	0					
Wind direction	NE	N	NE	E	NE	S	S	S	S	S	NE	NE
Wind movement	5	7	6	4	2	4	5	2	2	2	2	4

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

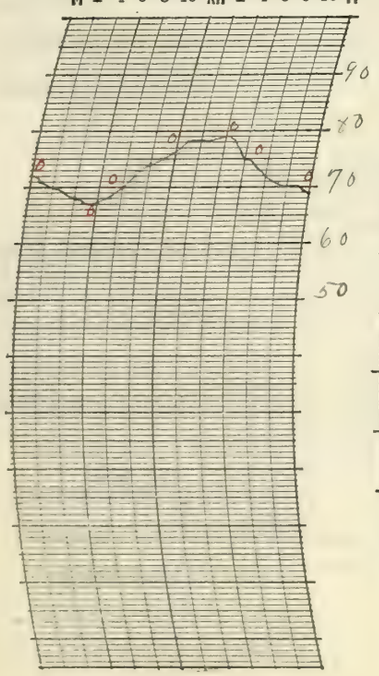
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
80	67	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cldy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 6.3 Possible sunshine, hours, 13.4
Per cent of possible sunshine, 47
Prevailing wind direction, NE Total wind, 109
Average hourly velocity, 4.5 Extreme velocity, 11
Maximum velocity, 11 Direction, SW
Time began, 2:07 A.M.
Reduced barometer, 30.04 7 a. m. 29.97 7 p. m
River gage, -0.5 feet
Relative humidity, 84 7 a. m. 72 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 73.6 Wet temperature, 66.8
Dew-point, 62 R. humidity, 64 V. pressure, .555
Clouds: Amount, 4 cu; Kind, St; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH



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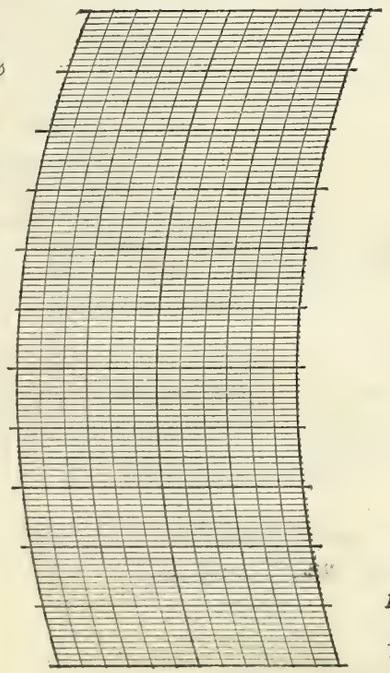
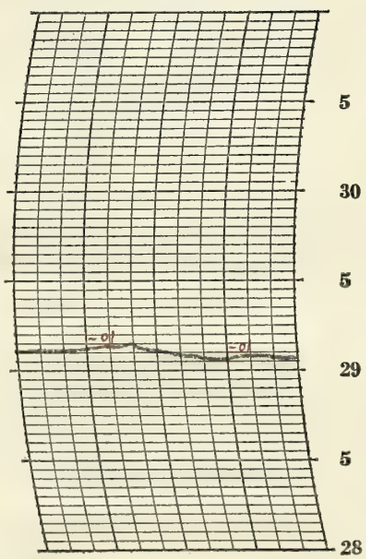


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

a fort Cloudy day. Flying conditions good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) AUG 26 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	65	64	64	63	63	63	64	64	66	67	67
State of weather: Nature of precipitation and time of beginning and ending			RB 3 NA								RE 10:05A	
Amounts of precipitation			T	01	T	03	04	03	02	01	T	
Cloudiness and other conditions						Cloudy						
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	NE	E	E	E	NE	NE	N	NE	NE	NE	E	E
Wind movement	7	8	9	7	7	5	6	8	5	5	6	6

Sunrise: Time, 5:02 Character, Cloudy

Moonrise:

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	68	71	71	72	70	70	68	67	66	66	65	64
State of weather: Nature of precipitation and time of beginning and ending	RB 12:45	RE 1:05										
Amounts of precipitation	T	T										
Cloudiness and other conditions		Fr Cloudy										
Sunshine (in tenths of hours)	0	0.4	0.6	0.6	0.1	0	0					
Wind direction	NE	NE	N	NE	NE	NE	E	E	E	E	E	E
Wind movement	7	7	5	7	6	5	3	4	5	3	3	2

Sunset: Time, 6:24 Character, Cloudy

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
72	63	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 06 ins.; to 7 p. m., 08 ins.

Total precipitation, midnight to midnight, 0.14 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 8

Actual sunshine, hours, 1.7 Possible sunshine, hours, 13.4

Per cent of possible sunshine, 13

Prevailing wind direction, NE & E Total wind, 136

Average hourly velocity, 5.7 Extreme velocity, 10

Maximum velocity, 10 Direction, E

Time began, 1142 A

Reduced barometer, 30.00 7 a. m. 29.98 7 p. m.

River gage, −0.3 feet

Relative humidity, 97 7 a. m. 79 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

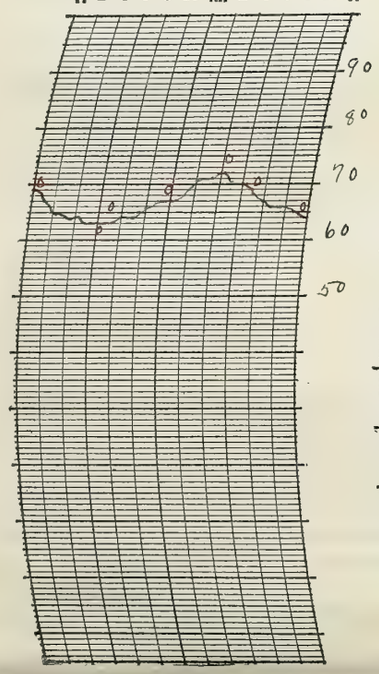
Dry temperature, 66.8 Wet temperature, 64.2

Dew-point, 63 R. humidity, 87 V. pressure, 575

Clouds: Amount, 7; Kind, Strat; Direction, SE

Velocity of clouds (miles per hour)

THERMOGRAPH



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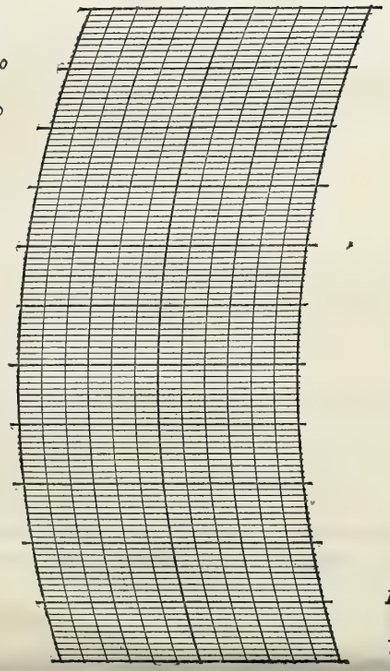
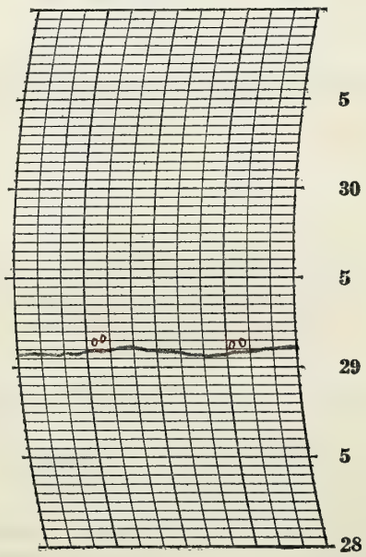


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

NOTES

a Cloudy day. 7 lying conditions excellent

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) AUG 27 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	61	61	60	58	60	61	68	71	73	75	76
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Clear		x Cldy			
Sunshine (in tenths of hours)						95 0	1.0 0	0.9 0.1	1.0	0.8	1.0	0.7
Wind direction	NE	NE	NE	NE	0	E	E	SE	SE	S	S	SW
Wind movement	1	1	2	1	0	2	3	4	5	5	5	5
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	78	78	80	79	79	76	75	72	70	71	68	64
State of weather: Nature of precipitation and time of beginning and ending											R B 10:15	Rente
Amounts of precipitation											04	08
Cloudiness and other conditions			Pt Cldy			x Clear			→			
Sunshine (in tenths of hours)	08	07	07	1.0	0.4	0	0					
Wind direction	S	S	SW	SW	S	S	S	SE	SE	SE	S	SW
Wind movement	8	5	9	7	8	6	6	8	9	9	13	11
Maximum velocities (exceeding 24 miles) direction and time												

Sunrise: Time, 5:03 Character, Clear
Moonrise:
Sunset: Time, 6:22 Character, Cloudy
Moonset:

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
80	58	69	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0.12 inches.
Character of day, Pt Cldy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 10.0 Possible sunshine, hours, 13.4
Per cent of possible sunshine, 75
Prevailing wind direction, S Total wind, 133
Average hourly velocity, 5.5 Extreme velocity, 18
Maximum velocity, 17 Direction, SE
Time began, 10:21 P
Reduced barometer, 30.04 7a. m. 29.88 7p. m
River gage, +0.2 feet
Relative humidity, 93 7a. m. 55 7p. m.

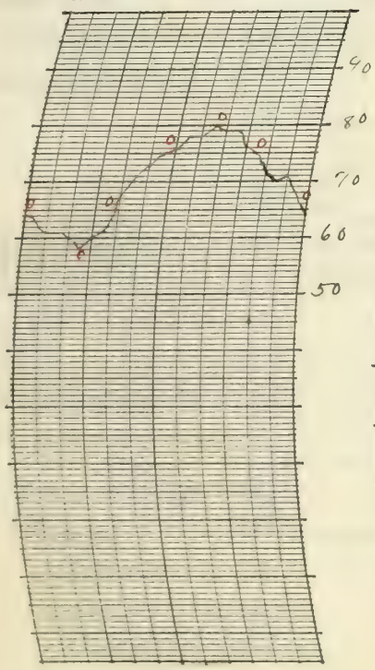
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 76.2 Wet temperature, 63.5
Dew-point, 56 R. humidity, 49 V. pressure, 448
Clouds: Amount, 8; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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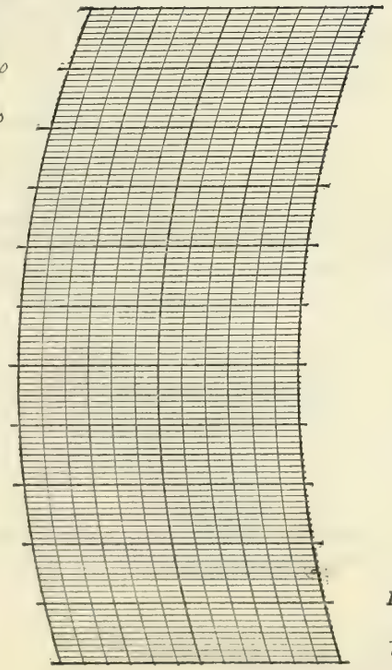
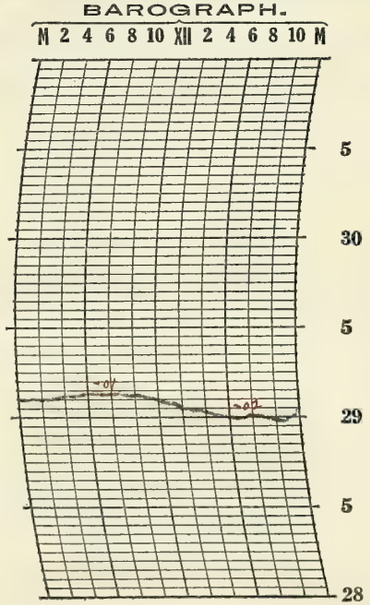


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. 4

8—486

NOTES

a fair Cloudy day. A Moderate thunderstorm began at 10:15 PM and continued into next day.
Flying conditions good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) AUG 28 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	62	65	65	64	64	65	66	68	71	73	72	73	74	75	74	72	71	69	65	64	62	61	60
State of weather: Nature of precipitation and time of beginning and ending	R cntd			RE DNA				R B 7:03 RE 7:10																
Amounts of precipitation	0.21	0.10	0.3	T				T																
Cloudiness and other conditions								Cloudy					Pt Cldy				Clear				7			
Sunshine (in tenths of hours)						0	0	0	0	0.2	0.8	0.4	0.5	1.0	0.9	1.0	0.4	0	0					
Wind direction	SW	SE	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	SW	S	SW	SW	SW
Wind movement	10	12	17	12	10	9	12	13	17	18	16	17	18	16	16	15	16	13	10	6	7	7	8	9
Maximum velocities (exceeding 24 miles) direction and time			28SE 2:49																					

Sunrise: Time, 5:04 Character, Cloudy
Moonrise:
Sunset: Time, 6:21 Character, Cloudy
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

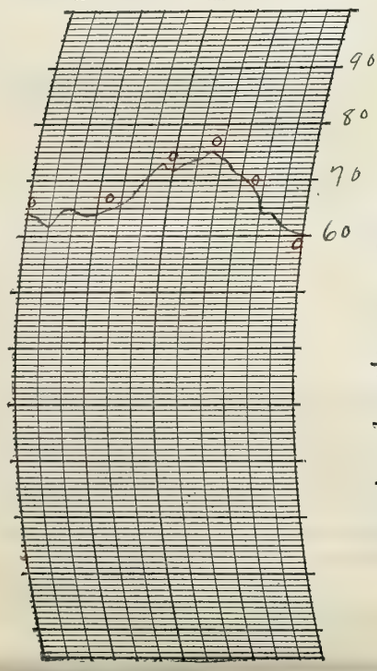
Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
75	60	68	

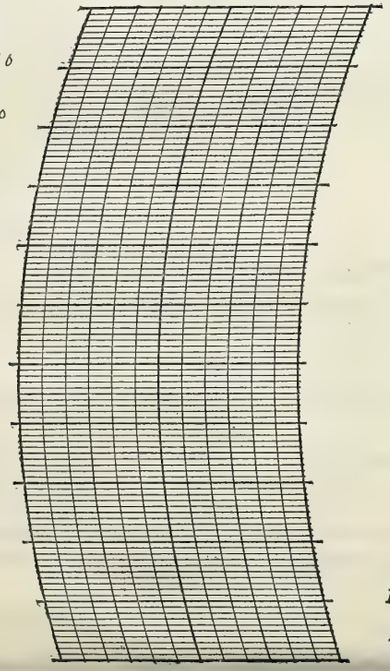
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.46 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 0.34 inches.
Character of day, Pt Cldy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 5.2 Possible sunshine, hours, 13.3
Per cent of possible sunshine, 39
Prevailing wind direction, SW Total wind, 304
Average hourly velocity, 12.7 Extreme velocity, 30
Maximum velocity, 28 Direction, SE
Time began, 2:49 A
Reduced barometer, 29.78 7 a. m. 29.92 7 p. m.
River gage, +.03 feet
Relative humidity, 92 7 a. m. 55 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 72.4 Wet temperature, 61.4
Dew-point, 54 R. humidity, 53 V. pressure, .417
Clouds: Amount, 8; Kind, Cu St; Direction, W
Velocity of clouds (miles per hour)

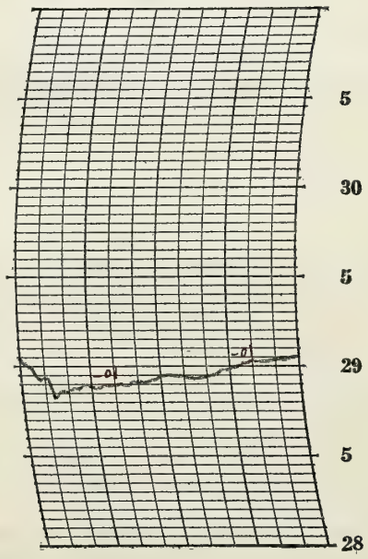
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.
Verified by E.L.H.

NOTES

Moderate thunderstorm continued from day before
Wind reached a maximum of 28 miles at 2:49 A.M.

8—496

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) AUG 29 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	60	58	57	56	54	55	56	62	66	68	69	70
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear						
Sunshine (in tenths of hours)						9.3 / 0	1.0 / 0	0.2 / 0.6	0.9	0.9	0.8	0.6
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W
Wind movement	9	7	7	7	7	7	8	10	11	17	18	16

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	72	73	72	71	69	68	65	64	64	64	62
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Pt Cldy →						
Sunshine (in tenths of hours)	0.6	0.8	0.4	0.2	0.1	0	0					
Wind direction	SW	SW	SW	SW	W	SW	SW	SW	SW	SW	SW	SW
Wind movement	15	16	17	16	13	10	7	7	5	6	5	3

Sunrise: Time, 5:04 Character, Clear

Moonrise:

Sunset: Time, 6:19 Character, Cloudy

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
73	54	64	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cldy Moon phase,

Average daily cloudiness (0-10), 4

Actual sunshine, hours, 8.0 Possible sunshine, hours, 13.2

Per cent of possible sunshine, 61

Prevailing wind direction, SW Total wind, 244

Average hourly velocity, 10.2 Extreme velocity, 25

Maximum velocity, 23 Direction, SW

Time began, 1:08 P

Reduced barometer, 30.00 7 a. m. 29.99 7 p. m

River gage, −0.5 Feet

Relative humidity, 74 7 a. m. 46 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

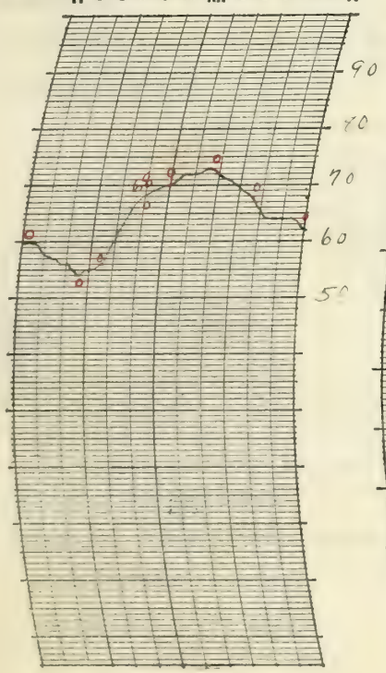
Dry temperature, 70.0 Wet temperature, 55.0

Dew-point, 42 R. humidity, 37 V. pressure, .266

Clouds: Amount, 4; Kind, Cu; Direction, W

Velocity of clouds (miles per hour)

THERMOGRAPH



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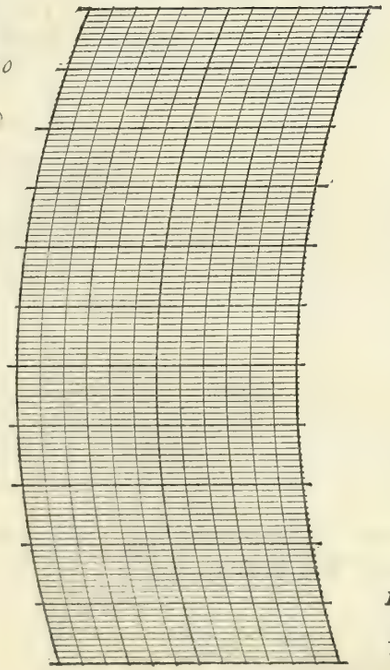
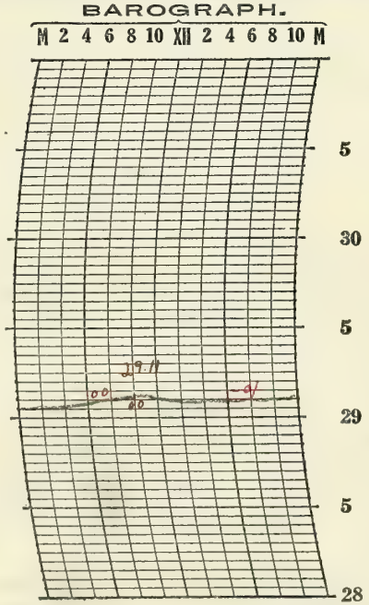


BAROGRAPH.



Prepared by L. C. S.

Verified by E. L. H.

8—486

NOTES

a part cloudy day Suitable for flying.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) AUG 30 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	62	60	60	59	59	58	58	61	66	67	69	70
					RB DNA			RE 7:05				
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation					T	.02	.01	T				
Cloudiness and other conditions												
Sunshine (in tenths of hours)						0	0	0.2	0.6	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	S	W	S	SW	W	W	W
Wind movement	4	4	4	2	4	3	4	3	4	6	8	9
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	72	71	72	70	67	64	60	60	57	57	56
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions											7	
Sunshine (in tenths of hours)	0.8	1.0	0.8	1.0	0.6	0	0					
Wind direction	W	NW	W	NW	NW	NW	NW	NW	N	N	N	N
Wind movement	10	10	10	11	9	9	7	8	8	5	4	3
Maximum velocities (exceeding 24 miles) direction and time												

Day X — Pt Cldy — X — Clear

Sunrise: Time, 5:05 Character, Cloudy
Moonrise:

Sunset: Time, 6:17 Character, Cloudy
Moonset:

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
73	56	64	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .03 inches.
Character of day, Pt Cldy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 8.0 Possible sunshine, hours, 13.2
Per cent of possible sunshine, 61
Prevailing wind direction, SW Total wind, 149
Average hourly velocity, 6.2 Extreme velocity, 15
Maximum velocity, 14 Direction, NW
Time began, 3:17 P
Reduced barometer, 30.08 7 a. m. 30.08 7 p. m.
River gage, -0.5 feet
Relative humidity, 89 7 a. m. 47 7 p. m.

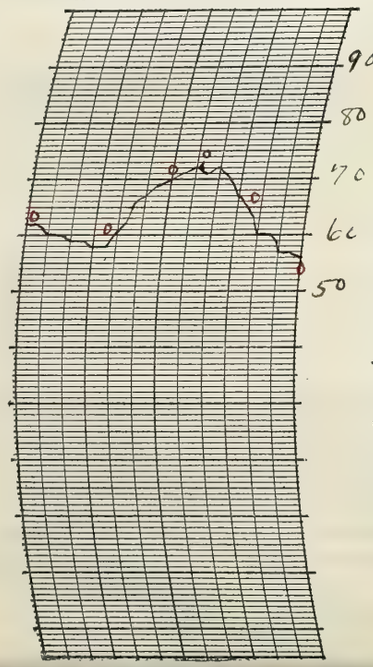
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 70.3 Wet temperature, 61.2
Dew-point, 55 R. humidity, 60 V. pressure, .432
Clouds: Amount, 5; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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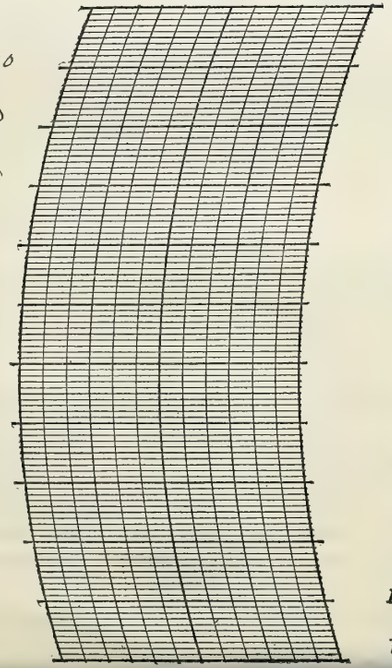
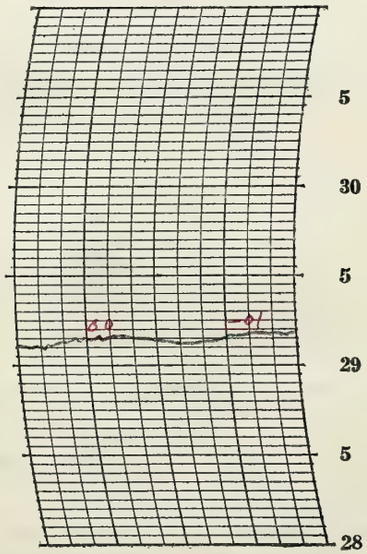


BAROGRAPH.



Prepared by L.C.S.

Verified by E.L.H

8—486

NOTES

a very moderate thunderstorm began DNA and ended at 7:05 A.
no damage reported
Pt lying conditions good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) AUG 31 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	55	54	53	54	54	54	56	60	64	67	70	73	78	80	81	82	81	80	69	69	70	69	69	70
State of weather: Nature of precipitation and time of beginning and ending																			RB 6:15 RE 6:55	RB 7:05 RE 7:10				
Amounts of precipitation																			0.25	T				
Cloudiness and other conditions							←			Pt cldy		× Clear				×	Pt cldy	×	Cldy				→	
Sunshine (in tenths of hours)						0	0	0	0.8	0.8	1.0	1.0	1.0	1.0	0.9	0.7	0	0	0					
Wind direction	N	S	S	SE	E	SE	E	E	SE	E	E	SE	SE	SE	SE	S	S	SE	SW	S	S	S	S	S
Wind movement	4	3	2	3	3	3	6	7	8	8	9	9	9	7	7	5	5	5	10	7	6	8	7	8
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 5:07 Character, Cloudy
Moonrise:
Sunset: Time, 6:16 Character, Cloudy
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

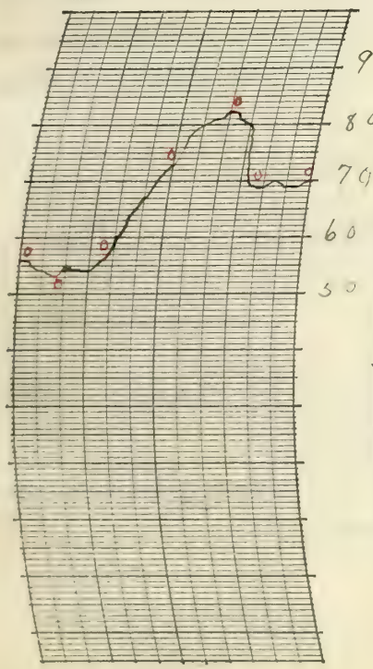
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
82	53	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0.25 ins.
Total precipitation, midnight to midnight, 0.25 inches.
Character of day, Pt cldy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 7.2 Possible sunshine, hours, 13.2
Per cent of possible sunshine, 55
Prevailing wind direction, S Total wind, 149
Average hourly velocity, 6.2 Extreme velocity, 18
Maximum velocity, 18 Direction, SW
Time began, 6:23 P
Reduced barometer, 30.12 7 a. m. 29.99 7 p. m
River gage, -0.5 feet
Relative humidity, 55 7 a. m. 93 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 73.0 Wet temperature, 58.1
Dew-point, 47 R. humidity, 40 V. pressure, 322
Clouds: Amount, 3; Kind, Ci St; Direction, S
Velocity of clouds (miles per hour)

THERMOGRAPH



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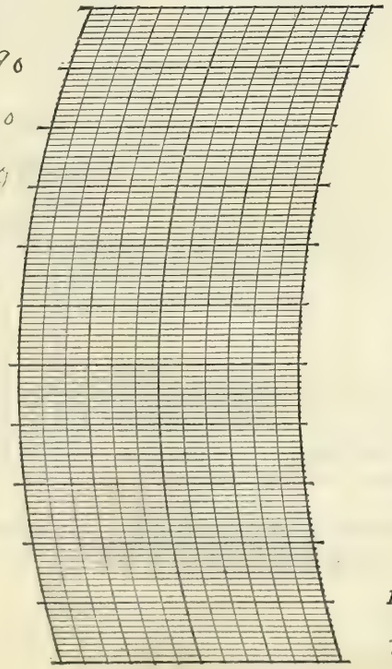
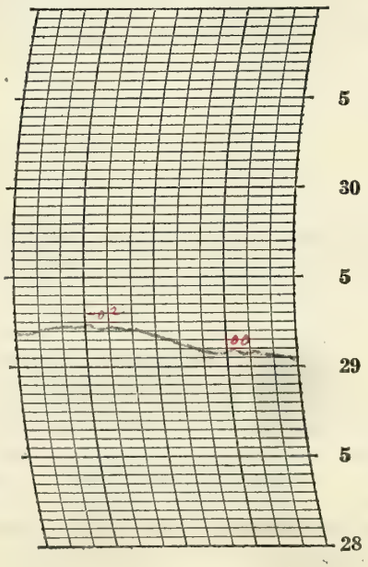


BAROGRAPH.



Prepared by L. P. S.

Verified by E. L. H.

8—486

NOTES

a fair cloudy day. a 22° Lunar Halo was observed at 7:30 P.M.
a moderate thunderstorm occurred at 6:15 P.M. and ended at 6:55 P.M.
no damage reported

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) SEP 1 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	70	70	69	69	69	70	70	74	73	73	72	72
Nature of precipitation and time of beginning and ending											RB 10:05	
Amounts of precipitation											T	.04
Cloudiness and other conditions						Cloudy						
Sunshine (in tenths of hours)						0	0	0	0.2	0	0	0
Wind direction	S	S	S	S	S	S	S	S	SW	SW	SW	SW
Wind movement	8	9	10	10	10	10	13	14	15	14	16	7

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	75	73	70	72	72	71	70	70	69	69	69	68
Nature of precipitation and time of beginning and ending		RE 1:55	RB 2:15 RE 2:50									
Amounts of precipitation	01	.01	.02									
Cloudiness and other conditions												
Sunshine (in tenths of hours)	0	0	0	0	0	0	0					
Wind direction	S	SW	SW	W	W	SW	SW	SW	SW	SW	SW	SW
Wind movement	10	18	16	9	9	7	5	5	2	3	4	3
Maximum velocities (exceeding 24 miles) direction and time		25 SW 1:33										

Sunrise: Time, 5:08 Character, Cloudy

Moonrise:

Sunset: Time, 6:14 Character, Cloudy

Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
75	68	72	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., .08 ins.

Total precipitation, midnight to midnight, .08 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0.2 Possible sunshine, hours, 13.1

Per cent of possible sunshine, 2

Prevailing wind direction, SW Total wind, 221

Average hourly velocity, 9.2 Extreme velocity, 26

Maximum velocity, 25 Direction, SW

Time began, 1:33 P

Reduced barometer, 29.83 7 a. m. 29.83 7 p. m.

River gage, -0.5 feet

Relative humidity, 75 7 a. m. 90 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

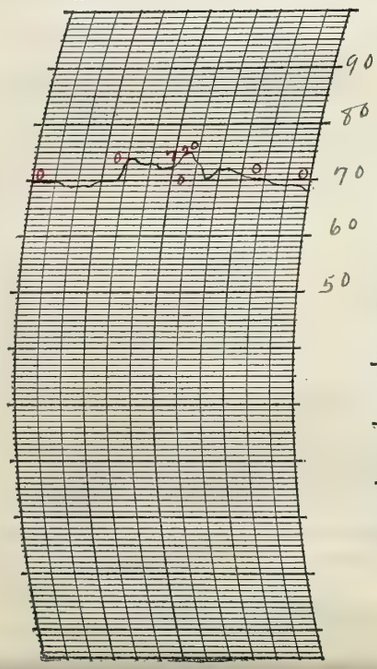
Dry temperature, 72.5 Wet temperature, 69.5

Dew-point, 68 R. humidity, 86 V. pressure, .684

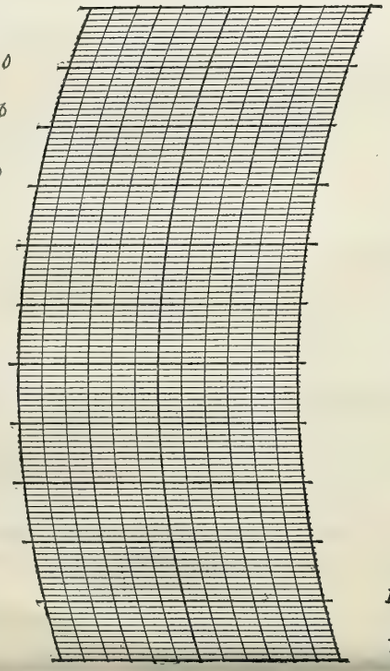
Clouds: Amount, 10; Kind, Strat; Direction, S

Velocity of clouds (miles per hour)

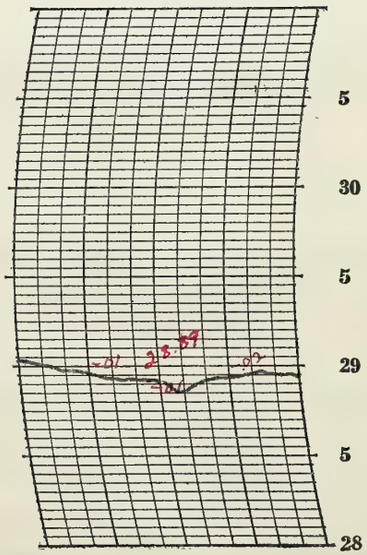
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S. WBL

Verified by

S—486

NOTES

A Cloudy rainy day. 7 flying conditions good

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) SEP 2 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	68	68	64	61	60	60	58	58	59	59	60	63
State of weather: Nature of precipitation and time of beginning and ending		RB DNA					RE 6:10	RB 7:05				11:55
Amounts of precipitation		T	02	T	02	04	T	T	04	01	01	T
Cloudiness and other conditions												
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	SW	S	N	N	E	E	E	E	NE	E	E	E
Wind movement	3	5	11	7	6	6	7	4	5	6	5	5

	P.M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	64	64	62	62	63	62	62	61	60	60	60	60
State of weather: Nature of precipitation and time of beginning and ending			RB 1:25 RE 3:00									
Amounts of precipitation			02									
Cloudiness and other conditions			Cloudy				Pt Cldy				7	
Sunshine (in tenths of hours)	0	0	0	0.1	0	0	0					
Wind direction	NE	NE	E	E	S	SW	SW	SW	SW	SW	SW	SW
Wind movement	3	2	4	4	5	5	3	5	5	6	5	3

Sunrise: Time, 5:09 Character, Cloudy
Moonrise:

Sunset: Time, 6:12 Character, Cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

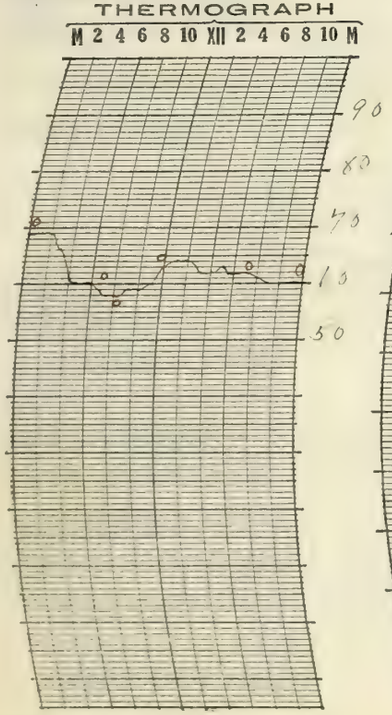
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
68	58	63	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m.; 08 ins.; to 7 p. m.; 08 ins.
Total precipitation, midnight to midnight, 0.16 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0.1 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 1
Prevailing wind direction, E Total wind, 120
Average hourly velocity, 5.0 Extreme velocity, 16
Maximum velocity, 15 Direction, N
Time began, 2:22 A
Reduced barometer, 29.82 7 a. m. 29.87 7 p. m.
River gage, +0.3 feet
Relative humidity, 91 7 a. m. 89 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 63.0 Wet temperature, 59.5
Dew-point, 57 R. humidity, 82 V. pressure, 465
Clouds: Amount, 10; Kind, Stu; Direction, E
Velocity of clouds (miles per hour)

THERMOGRAPH



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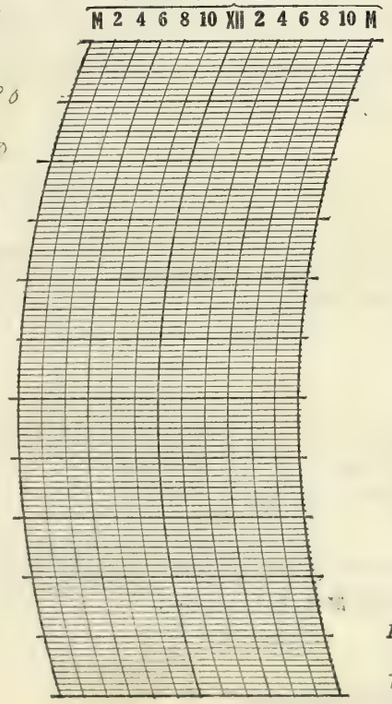

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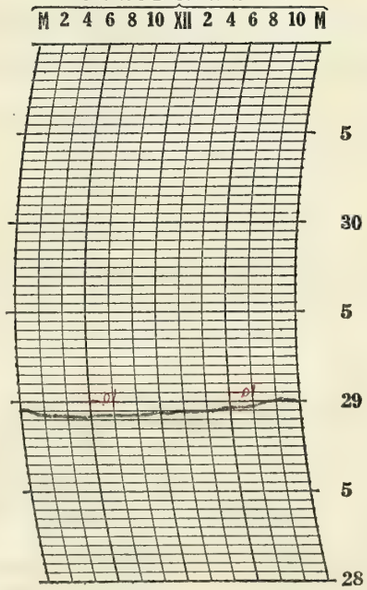


Prepared by L. C. S.

Verified by R. C. L.

8—486

NOTES

a Cloudy unsettled day. Ground lying condition fair

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

SEP 8 1931

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) , 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	59	58	57	57	56	58	64	68	71	72	73	75	76	76	74	70	66	65	62	61	61	60	58
State of weather: Nature of precipitation and time of beginning and ending																		RB 5:15 RE 5:25						
Amounts of precipitation																		T						
Cloudiness and other conditions							x	—	Clear	—	x	pt	Clay			x	—	—	Clear	—		y		
Sunshine (in tenths of hours)						.83 0	1.0 0	0.3 0.7	1.0	1.0	1.0	0.8	0.6	0.9	1.0	0.1 0.8	1.0 0	1.0 0	.18 0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	W	NW	NW	W	NW	W	W	W	W	SW	SW	SW	SW	SW	SW	SW
Wind movement	4	4	4	3	3	3	4	2	5	5	7	7	8	10	7	8	6	9	4	4	5	7	6	6
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 5:10 Character, Clear
Moonrise:
Sunset: Time, 6:11 Character, Clear
Moonset:

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

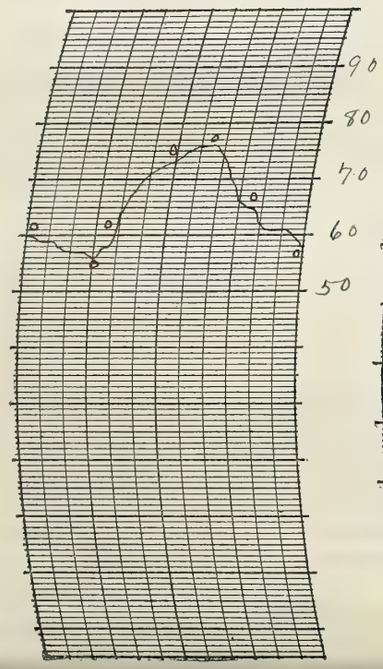
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
76	56	66	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 12.2 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 94
Prevailing wind direction, SW Total wind, 131
Average hourly velocity, 4.7 Extreme velocity, 19
Maximum velocity, 18 Direction, SW
Time began, 5:19 P.
Reduced barometer, 29.98 a. m. 29.96 p. m.
River gage, -0.5 feet
Relative humidity, 89 a. m. 80 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 73.2 Wet temperature, 58.7
Dew-point, 48 R. humidity, 41 V. pressure, .334
Clouds: Amount, 6; Kind, Ac Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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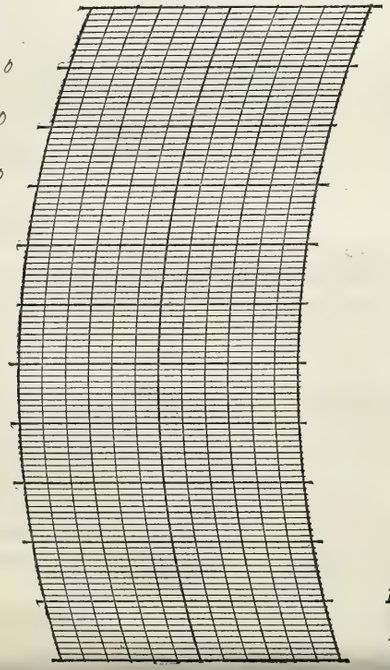
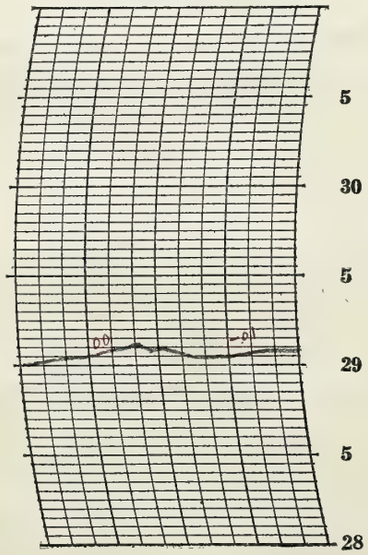


BAROGRAPH.



Prepared by L.C.S.

Verified by R.E.L.

8—486

NOTES

a Clear day. Flying conditions excellent.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) SEP 4 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	59	59	59	60	61	61	63	64	71	72	73
Nature of precipitation and time of beginning and ending							RB 6:40	RE 7:10			RB 10:02 RE 10:30	
Amounts of precipitation							T	T			T	
Cloudiness and other conditions						← Cloudy						
Sunshine (in tenths of hours)						0	0	0	0	0.4	0.4	0.1
Wind direction	SW	SW	S	S	SW	S	SW	SW	S	S	SW	SW
Wind movement	5	6	6	7	7	6	7	11	10	10	11	11

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	75	77	78	77	76	73	71	68	67	65	63	61
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Pt Cldy				Clear							
Sunshine (in tenths of hours)	0.5	0.9	0.9	0.2 0.3	1.0 0	1.0 0	.15 0					
Wind direction	W	W	W	W	W	W	W	W	W	W	W	W
Wind movement	10	11	12	12	9	8	7	6	3	4	4	3

State of weather.

Sunrise: Time, 5:11 Character, Cloudy
Moonrise:
Sunset: Time, 6:09 Character, Clear
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

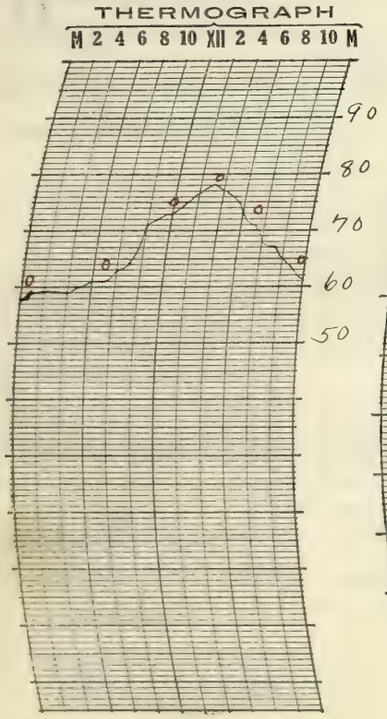
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
78	58	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cldy E Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 5.8 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 45
Prevailing wind direction, W Total wind, 186
Average hourly velocity, 7.8 Extreme velocity, 19
Maximum velocity, 18 Direction, SW
Time began, 10:03 A
Reduced barometer, 29.98 7 a. m. 29.97 7 p. m.
River gage, +0.4 feet
Relative humidity, 88 7 a. m. 73 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 72.6 Wet temperature, 65.1
Dew-point, 61 R. humidity, 67 V. pressure, .536
Clouds: Amount, 9; Kind, Stcu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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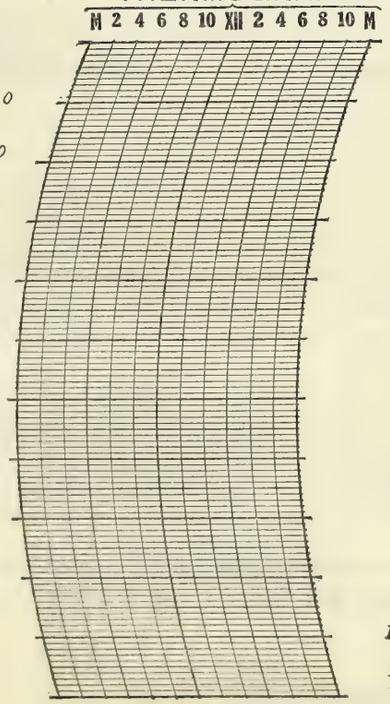
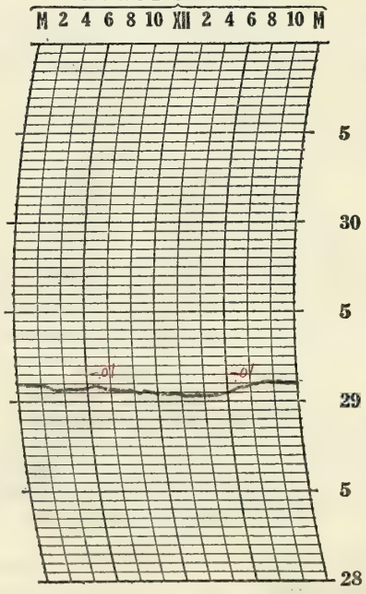


BAROGRAPH.



Prepared by L. C. S.

Verified by

8—486

NOTES

a Moderate thunderstorm moving from Northwest to Southeast began at 10:02 AM and ended at 10:30 AM
No damage reported
7 lying conditions good

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) SEP 5 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	60	59	59	59	58	58	58	65	72	74	76	77	81	82	82	82	80	77	75	73	72	71	70	70
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←				Clear	×	Hazy	×			Clear						→		
Sunshine (in tenths of hours)						.82 0	1.0 0	0.6 0.4	1.0	1.0	1.0	0.7	1.0	1.0	0.8	0.9	0.9 0.1	1.0 0	.13 0					
Wind direction	W	W	W	W	W	W	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	4	4	3	5	4	3	4	6	7	9	11	12	12	15	16	17	14	12	8	9	9	9	9	9
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 5:11 Character, Clear
Moonrise:
Sunset: Time, 6:08 Character, Clear
Moonset:

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

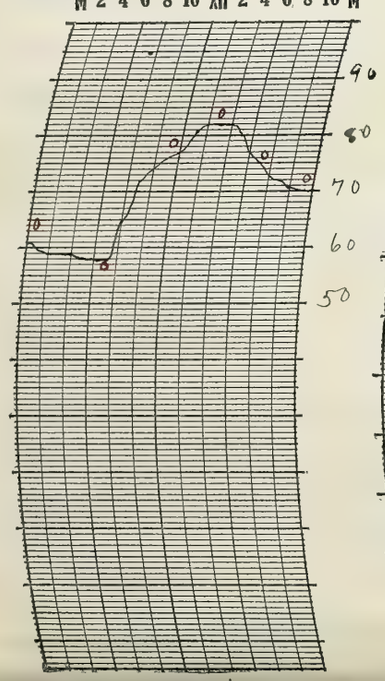
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
82	58	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 12.4 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 95
Prevailing wind direction, SW Total wind, 211
Average hourly velocity, 8.8 Extreme velocity, 23
Maximum velocity, 22 Direction, SW
Time began, 3:13 P
Reduced barometer, 30.05 a. m. 29.89 p. m.
River gage, +0.2 feet
Relative humidity, 94 a. m. 61 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 77.0 Wet temperature, 63.2
Dew-point, 54 R. humidity, 46 V. pressure, .417
Clouds: Amount, 4; Kind, Ci St; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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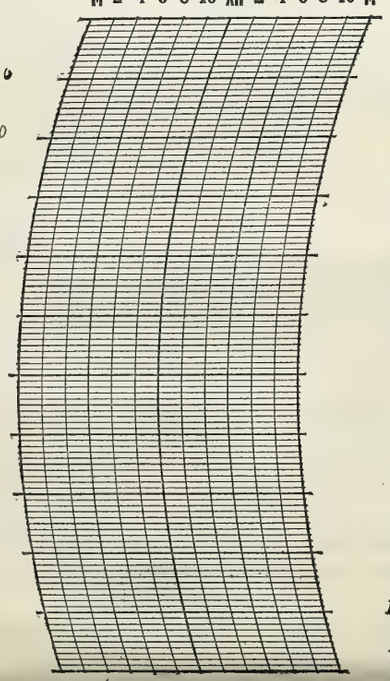

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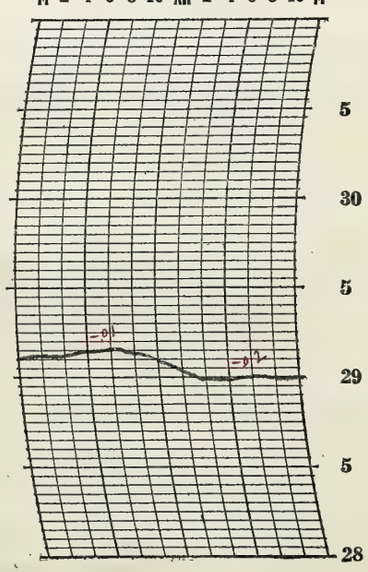


Prepared by L.C.S.

Verified by J.E.L.

NOTES

a Clear beautiful day. Flying conditions excellent

8—486

FORM NO. 1014—Met 1

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) SEP 6 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	69	68	66	65	65	64	64	66	70	72	74	76
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Clear					
Sunshine (in tenths of hours)						.80 0	1.0 0	0.6 0.3	1.0	1.0	1.0	1.0
Wind direction	W	SW	SW	W	NW	NW	N	NE	NE	NE	N	N
Wind movement	6	5	4	5	4	4	7	10	8	7	7	7

Sunrise: Time, 5:12 Character, Clear

Moonrise:

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	77	78	79	78	77	75	73	70	68	66	64	65
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.5 0.5	1.0 0	.10 0					
Wind direction	N	N	N	N	N	N	N	NE	NE	NE	NE	NE
Wind movement	10	9	7	9	7	8	5	5	3	2	2	3

Sunset: Time, 6:06 Character, Clear

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

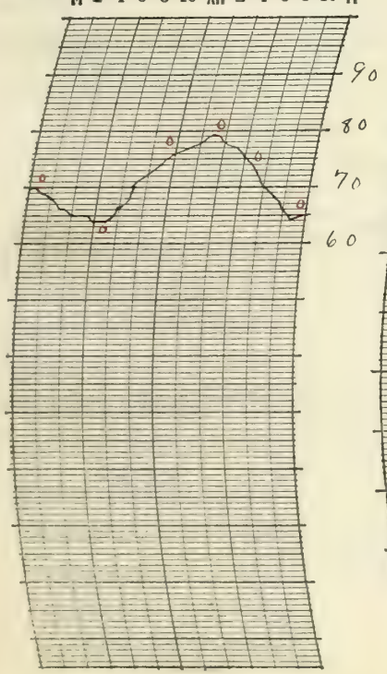
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
79	64	72	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 12.9 Possible sunshine, hours, 12.9
Per cent of possible sunshine, 100
Prevailing wind direction, N Total wind, 144
Average hourly velocity, 6.0 Extreme velocity, 12
Maximum velocity, 12 Direction, NE
Time began, 7:47 A.
Reduced barometer, 30.02 7 a. m. 30.06 7 p. m.
River gage, +0.1 Feet
Relative humidity, 79 7 a. m. 50 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 76.0 Wet temperature, 61.5
Dew-point, 52 R. humidity, 43 V. pressure, .387
Clouds: Amount, 7 tenths; Kind, Ci; Direction, N
Velocity of clouds (miles per hour)

THERMOGRAPH



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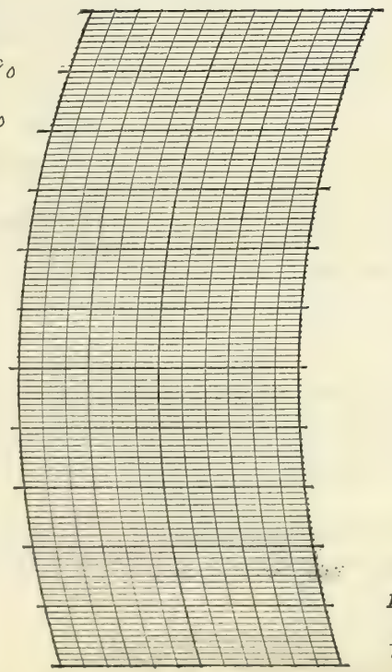
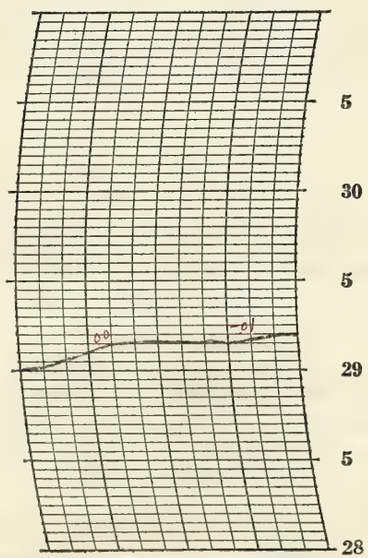


BAROGRAPH.



Prepared by E. C. S.

Verified by

8—486

NOTES

a Clear beautiful day. Excellent for flying

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) SEP 7 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	60	59	58	60	56	58	60	68	73	74	78	78	80	81	80	80	78	77	75	72	70	69	68	67
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←				Clear										→			
Sunshine (in tenths of hours)						.78 0	1.0 0	0.3 0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8 0.1	1.0 0	0.7 0					
Wind direction	NE	N	N	NE	NE	NE	E	E	E	E	E	NE	E	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	4	4	5	5	5	5	4	3	3	2	4	5	4	5	6	6	6	5	5	6	3	4	4	5
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 5:13 Character, Clear
Moonrise:
Sunset: Time, 6:04 Character, Clear
Moonset:

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

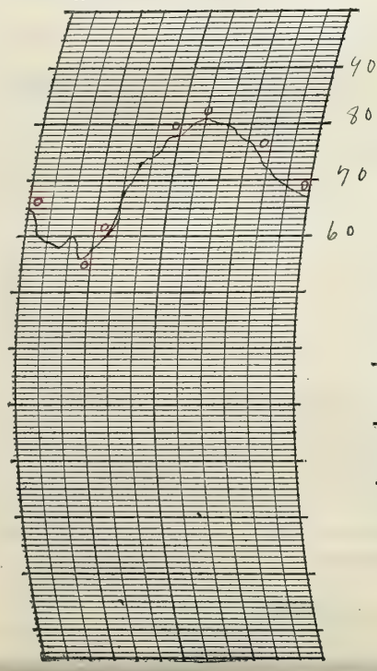
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
81	56	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 12.6 Possible sunshine, hours, 12.8
Per cent of possible sunshine, 98
Prevailing wind direction, SE Total wind, 108
Average hourly velocity, 4.5 Extreme velocity, 7
Maximum velocity, 7 Direction, SE
Time began, 2:57 P
Reduced barometer, 30.18 7 a. m. 30.11 7 p. m.
River gage, +0.3 feet
Relative humidity, 76 7 a. m. 51 7 p. m.

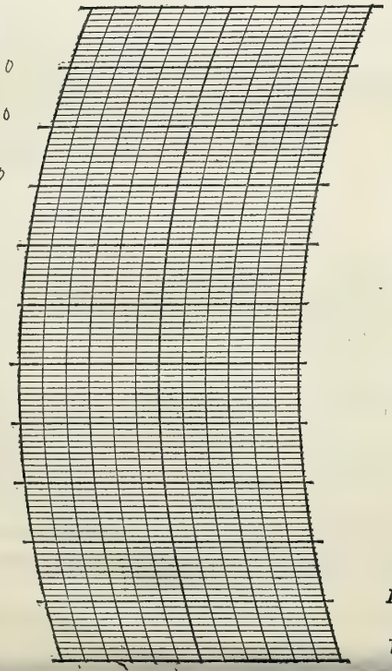
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 78.0 Wet temperature, 61.5
Dew-point, 50 R. humidity, 38 V. pressure, 360
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

THERMOGRAPH



THERMOGRAPH



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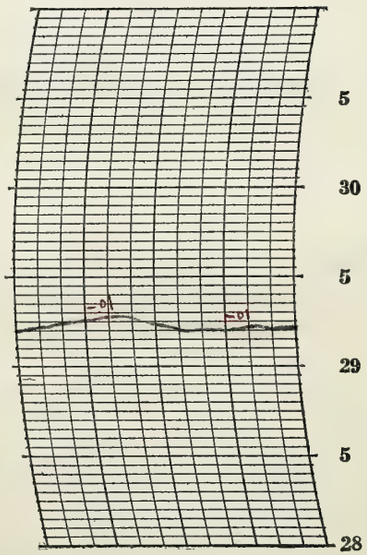


Prepared by S.C.S.

Verified by CEL

NOTES

A Clear day. The sunset was beautiful, the sun was reflected on cirrus clouds. Heavy dew occurred in the morning. No clouds appeared until late in the afternoon.

S—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) SEP 8 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	65	64	63	62	63	63	68	73	79	83	84
State of weather: Nature of precipitation and time of beginning and ending					RB DNA RE 4:55							
Amounts of precipitation					T							
Cloudiness and other conditions												
Sunrise: Time, Character, 5:14 Cloudy												
Moonrise:												
Sunshine (in tenths of hours)						0	0	0.2	1.0	1.0	1.0	1.0
Wind direction	SE	SE	SE	SE	SE	SE	S	SW	SW	SW	SW	W
Wind movement	3	3	3	2	4	6	9	8	11	9	8	7
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	87	90	88	87	85	82	80	75	74	72	71	69
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions		Clear										
Sunset: Time, Character, 6:03 Clear												
Moonset:												
Sunshine (in tenths of hours)	1.0	1.0	0.8	0.8	1.0 0	1.0 0	0.5 0					
Wind direction	W	SW	W	SW	SW	SW	S	SW	SW	SW	SW	SW
Wind movement	5	5	5	7	8	7	6	6	7	7	7	6
Maximum velocities (exceeding 24 miles) direction and time												

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
90	62	76	

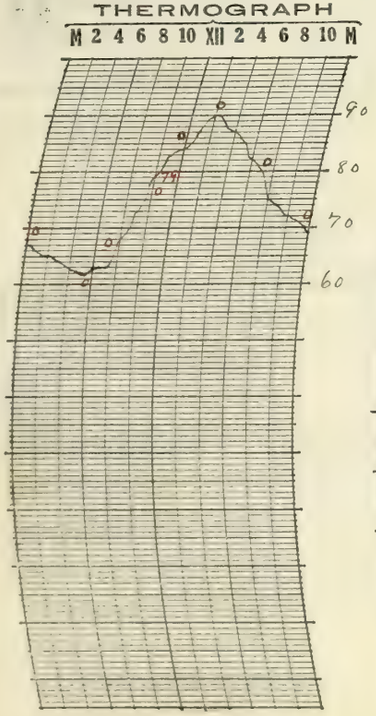
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 9.8 Possible sunshine, hours, 12.8
Per cent of possible sunshine, 77
Prevailing wind direction, SW Total wind, 149
Average hourly velocity, 6.2 Extreme velocity, 18
Maximum velocity, 16 Direction, S
Time began, 6:45A
Reduced barometer, 30.11 7a. m. 30.01 7p. m
River gage, -0.2 Feet
Relative humidity, 79 7a. m. 33 7p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

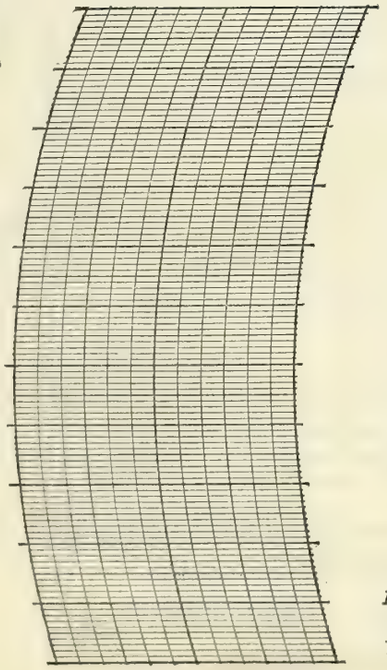
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 84.0 Wet temperature, 64.1
Dew-point, 51 R. humidity, 32 V. pressure, .373
Clouds: Amount, 3; Kind, Cist; Direction, W
Velocity of clouds (miles per hour)

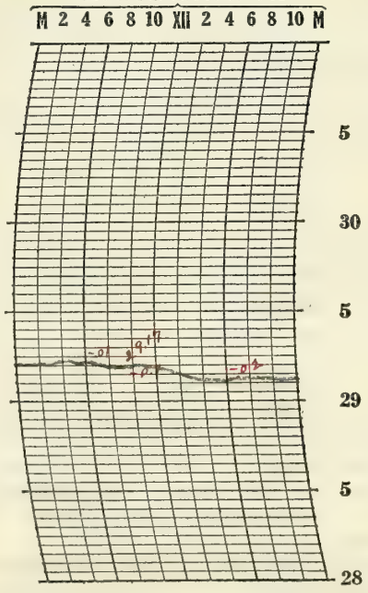
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by R. L. L.

8—486

NOTES

a clear beautiful day. Light rain in early morning. Excellent for flying

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) SEP 9 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	68	68	67	66	65	64	67	74	80	84	88	90	94	93	92	92	88	84	82	79	78	75	72	71
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Clear →																	
Sunshine (in tenths of hours)						.75 0	1.0 0	0.7 0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8 0.2	1.0 0	0.2 0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	W	W	W	W	W	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	5	6	6	7	6	3	2	6	7	4	5	5	4	5	8	8	8	8	5	6	5	6	4	5
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 5:15 Character, Clear
Moonrise: ——— ———
Sunset: Time, 6:01 Character, Clear
Moonset: ——— ———

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

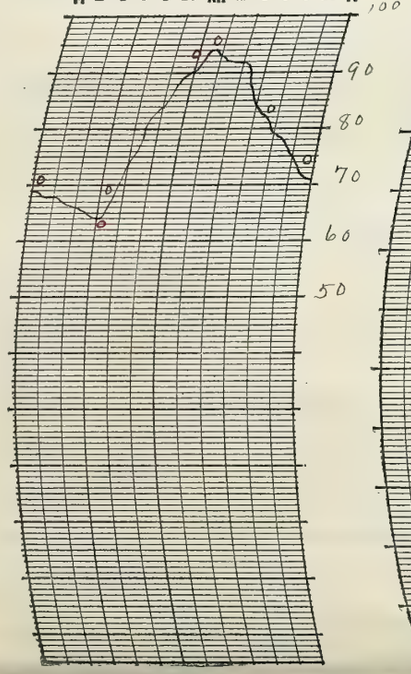
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
94	64	79	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ———
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 12.8 Possible sunshine, hours, 12.8
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind, 134
Average hourly velocity, 5.6 Extreme velocity, 10
Maximum velocity, 10 Direction, SW
Time began, 4:18 P
Reduced barometer, 30.03 a. m. 30.00 p. m.
River gage, −0.5 feet
Relative humidity, 80 a. m. 49 p. m.

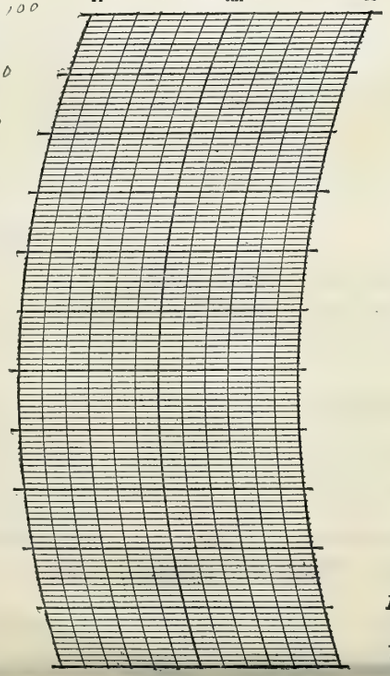
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 90.0 Wet temperature, 69.1
Dew-point, 58 R. humidity, 34 V. pressure, 482
Clouds: Amount, 7 cu; Kind, a cu; Direction, W
Velocity of clouds (miles per hour) ———

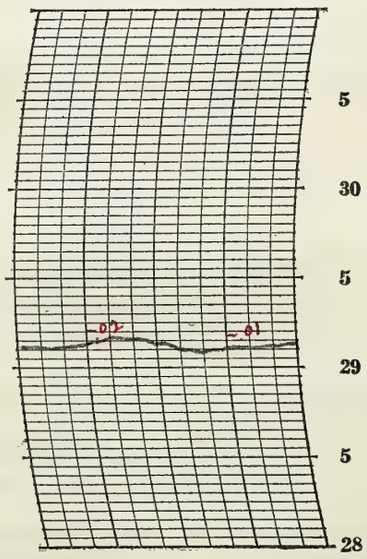
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by R.E.L.

8—486

NOTES

a Clear sultry day.
Flying conditions Excellent.

Form No. 1014—Mc'7

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) SEP 10 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	70	69	69	67	66	66	67	72	80	84	87	88
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Clear					
Sunshine (in tenths of hours)						.73 0	1.0 0	0.9 0.1	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	4	3	5	4	4	5	5	5	5	6	6	5

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	91	92	91	90	88	85	83	81	79	77	75	74
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Partly							
Sunshine (in tenths of hours)	1.0	0.9	1.0	0.6	1.0 0	.98 0						
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	8	8	10	9	8	5	4	6	5	4	4	4

State of weather.

Sunrise: Time, 5:16 Character, Clear

Moonrise:

Sunset: Time, 5:59 Character, Clear

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
92	65	78	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 3

Actual sunshine, hours, 12.2 Possible sunshine, hours, 12.7

Per cent of possible sunshine, 96

Prevailing wind direction, SW Total wind, 132

Average hourly velocity, 5.5 Extreme velocity, 11

Maximum velocity, 11 Direction, SW

Time began, 3:13 P

Reduced barometer, 30.07 7 a. m. 30.05 7 p. m.

River gage, -0.2 feet

Relative humidity, 83 7 a. m. 54 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

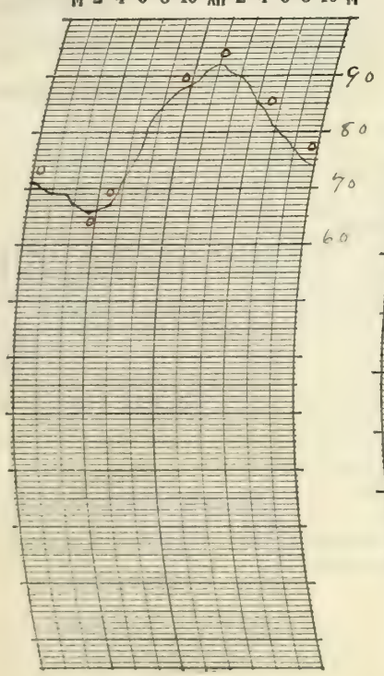
Dry temperature, 88.5 Wet temperature, 70.5

Dew-point, 62 R. humidity, 41 V. pressure, .555

Clouds: Amount, 3; Kind, Cst; Direction, W

Velocity of clouds (miles per hour)

THERMOGRAPH



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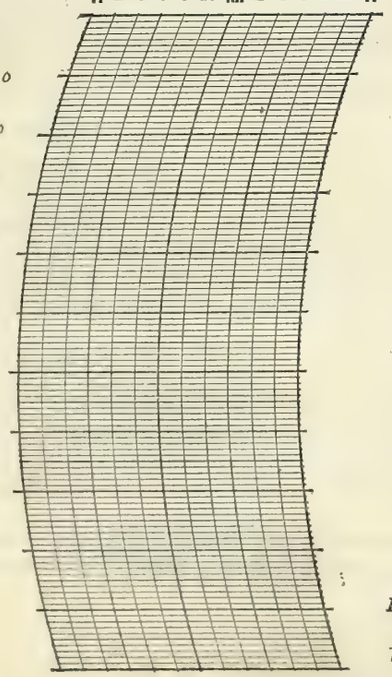
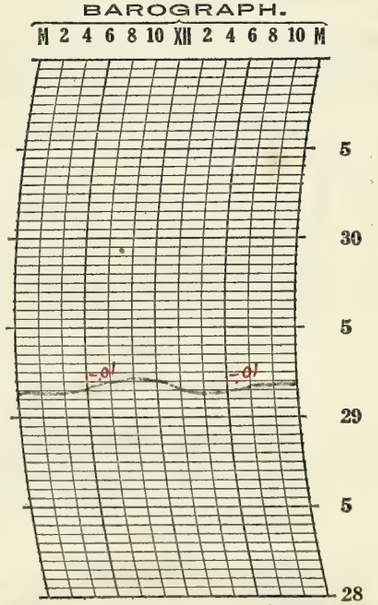


BAROGRAPH.



Prepared by L. C. S.

Verified by [illegible]

8—486

NOTES

a Clear sultry day. Flying conditions excellent. Light dew in morning

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) SEP 11 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	70	69	69	69	69	72	78	84	86	89	90	93	94	95	94	92	89	86	83	81	80	78	77
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←						Clear										7	
Sunrise: Time, 5:17 Character, Clear																					Sunset: Time, 5:57 Character, Clear			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)						.72 0	1.0 0	1.0 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1 0.9	1.0 0	.95 0						
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S	S	S	SW	SW	SW	SW
Wind movement	5	5	5	4	4	4	3	4	4	4	4	6	4	4	5	5	5	6	5	5	4	2	1	1
Maximum velocities (exceeding 24 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
95	69	82	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 0

Actual sunshine, hours, 12.7 Possible sunshine, hours, 12.7

Per cent of possible sunshine, 100

Prevailing wind direction, SW Total wind, 99

Average hourly velocity, 4.1 Extreme velocity, 7

Maximum velocity, 7 Direction, SW

Time began, 2:22 A

Reduced barometer, 30.18 7 a. m. 30.10 7 p. m.

River gage, -0.2 feet

Relative humidity, 86 7 a. m. 42 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

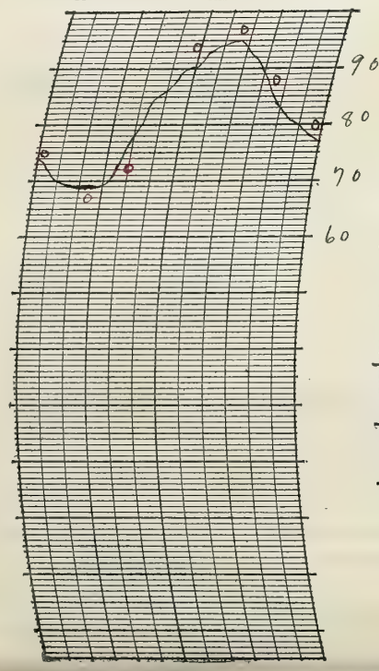
Dry temperature, 90.1 Wet temperature, 73.0

Dew-point, 65 R. humidity, 44 V. pressure, .616

Clouds: Amount, 0; Kind, 0; Direction, 0

Velocity of clouds (miles per hour)

THERMOGRAPH



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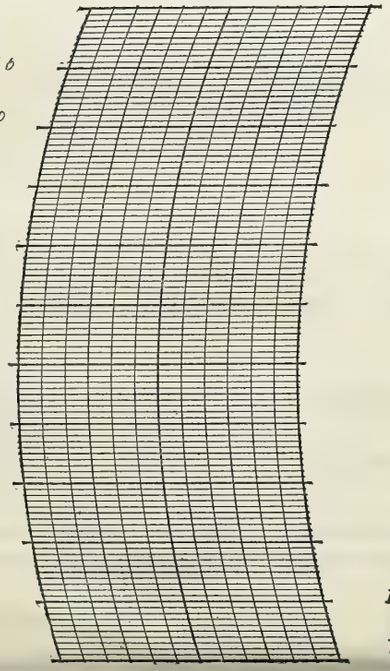
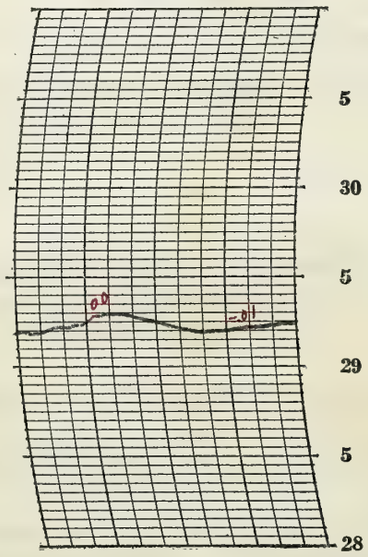


BAROGRAPH.



Prepared by L.C.S.

Verified by RCL

NOTES

a Clear sultry day. Flying conditions excellent. Heavy dew in morning.

8—486

FORM NO. 1014—M6U 1

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) SEP 12 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	76	74	74	71	71	72	74	76	80	85	88	88	90	90	92	91	88	87	84	82	78	78	77	76
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions													Pt Cldy						Clear					
Sunshine (in tenths of hours)						0	0	0	0.1	0.9	1.0	1.0	0.8	0.8	1.0	0.7	0	0						
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	SW	SW	SW	SW	SW	SW	SW	S	S	S	S	S	S
Wind movement	2	2	1	3	1	2	2	1	2	2	3	7	8	8	9	9	8	6	5	6	5	7	7	5
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 5:19 Character, Cloudy

Moonrise:

Sunset: Time, 5:56 Character, Clear

Moonset:

Sunshine: 0.2, 1.0, .93

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

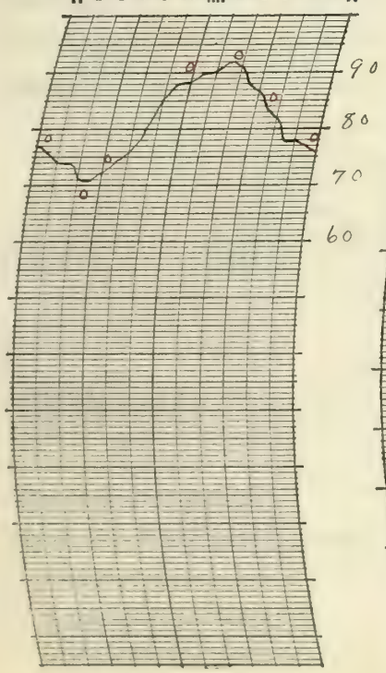
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
92	71	82	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cldy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 8.4 Possible sunshine, hours, 12.6
Per cent of possible sunshine, 67
Prevailing wind direction, SW Total wind, 111
Average hourly velocity, 4.6 Extreme velocity, 11
Maximum velocity, 11 Direction, SW
Time began, 2:36 P
Reduced barometer, 30.16 7 a. m. 30.04 7 p. m.
River gage, -0.5 feet
Relative humidity, 74 7 a. m. 50 7 p. m.

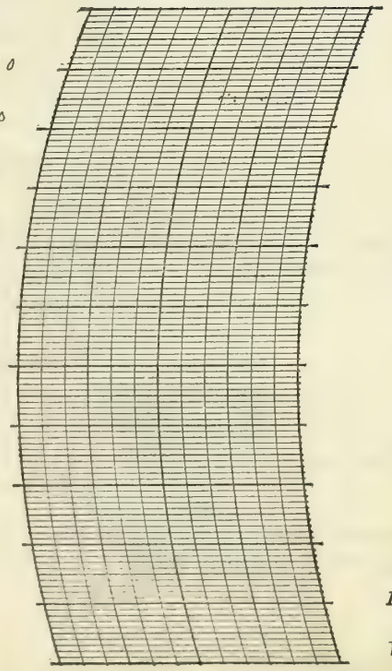
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 87.5 Wet temperature, 72.5
Dew-point, 66 R. humidity, 49 V. pressure, .638
Clouds: Amount, 5; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

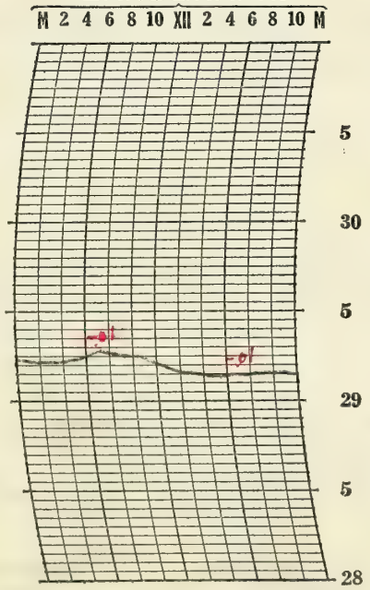
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. J.

Verified by [illegible]

8—486

NOTES

a Sultry day. Very suitable for flying.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) SEP 1 9 1937, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	74	73	72	71	71	70	72	78	80	82	84	84	87	88	87	86	86	83	82	79	78	76	75	74
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←		Clear			×		Pr Cldy			×	Clear					→		
Sunshine (in tenths of hours)						.67 0	1.0 0	0.9 0.1	1.0	1.0	0.8	0.5	0.8	0.8	0.7	0.2	0	0						
Wind direction	S	S	S	S	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S	S	S	S	S
Wind movement	5	5	6	5	6	7	7	8	10	12	14	14	16	16	15	18	14	13	10	9	8	8	9	10
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 5:20 Character, Clear

Moonrise:

Sunset: Time, 5:54 Character, Cloudy

Moonset:

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
88	70	79	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 2

Actual sunshine, hours, 8.5 Possible sunshine, hours, 12.6

Per cent of possible sunshine, 67

Prevailing wind direction, S Total wind, 245

Average hourly velocity, 10.2 Extreme velocity, 23

Maximum velocity, 21 Direction, SW

Time began, 2:43P

Reduced barometer, 30.03 7 a. m. 29.90 7 p. m.

River gage, -0.5 feet

Relative humidity, 78 7 p. m. 56 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

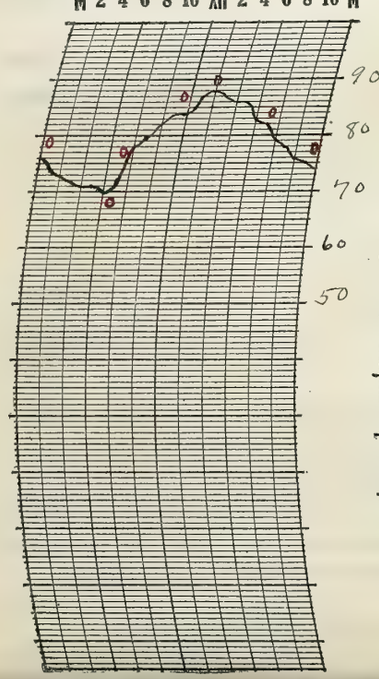
Dry temperature, 84.0 Wet temperature, 71.0

Dew-point, 65 R. humidity, 53 V. pressure, .616

Clouds: Amount, 6; Kind, Cu; Direction, SW

Velocity of clouds (miles per hour)

THERMOGRAPH



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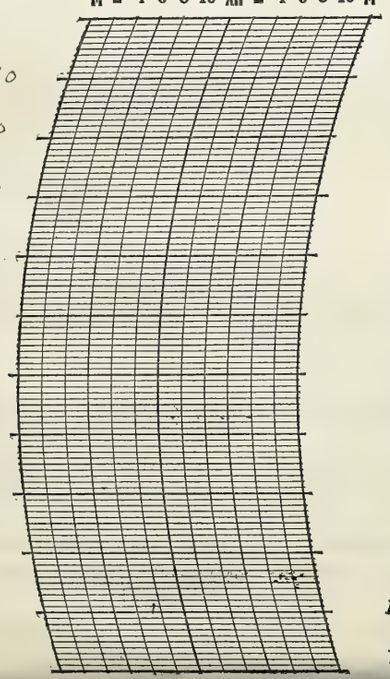
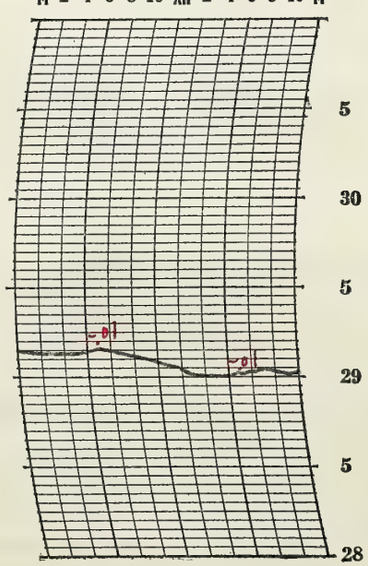


BAROGRAPH.



Prepared by L. C. S.

Verified by R. C. L.

NOTES

a Clear sultry day. 7 flying conditions excellent

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) SEP 14 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	74	74	74	74	75	75	75	73	72	74	77	78
State of weather: Nature of precipitation and time of beginning and ending								RB 7:20			RE 10:25	
Amounts of precipitation								.08	.07	.01	.01	
Cloudiness and other conditions												
Sunrise: Time, 5:21 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)						0	0	0	0	6	0	0
Wind direction	S	S	S	S	SW	S	SW	SW	S	S	S	SW
Wind movement	8	8	9	11	12	11	11	8	9	9	12	14

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	81	74	75	74	75	74	74	75	75	76	77	73
State of weather: Nature of precipitation and time of beginning and ending						RB 5:45	RE 6:05				RB DNP RE DNP	
Amounts of precipitation						T	T				T	
Cloudiness and other conditions				Cloudy								
Sunset: Time, 5:52 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	SW	SW	SW	SW	S	S	S	S	S	S	SW	W
Wind movement	17	16	15	10	9	8	10	9	10	11	10	12

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
81	72	76	

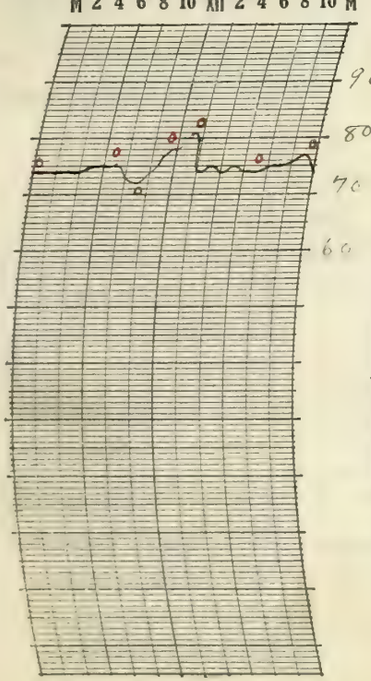
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0.17 ins.
Total precipitation, midnight to midnight, 0.17 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0 Possible sunshine, hours, 12.5
Per cent of possible sunshine, 0
Prevailing wind direction, S Total wind, 259
Average hourly velocity, 10.8 Extreme velocity, 24
Maximum velocity, 23 Direction, SW
Time began, 12:35P
Reduced barometer, 29.90 7a. m. 29.88 7p. m
River gage, -0.5 Feet
Relative humidity, 78 7a. m. 77 7p. m.

Maximum velocities (exceeding 24 miles) direction and time	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

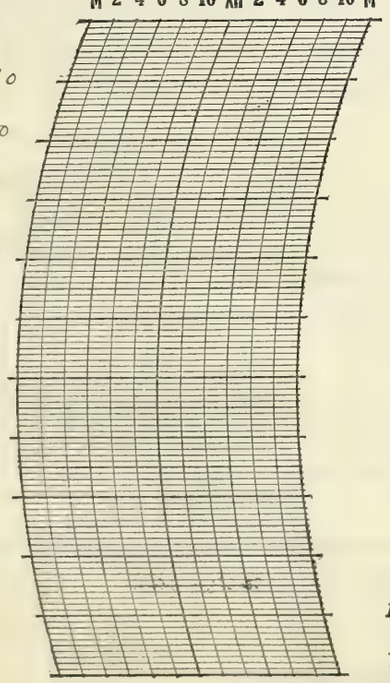
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 77.5 Wet temperature, 72.7
Dew-point, 71 R. humidity, 80 V. pressure, 757
Clouds: Amount, 6/4; Kind, a St Cu; Direction, SW
Velocity of clouds (miles per hour)

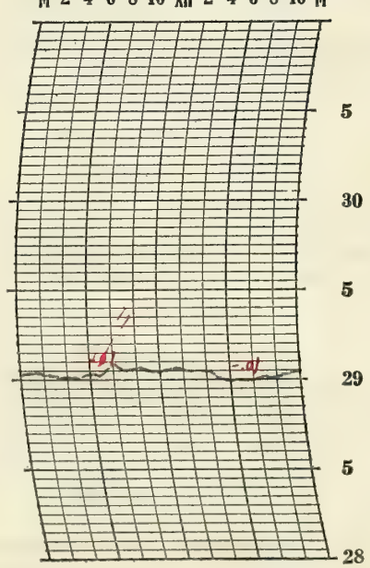
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by R. C. L.

8—486

NOTES

a very moderate thunderstorm beginning at 7:30 A.M. and ending at 10:25 A.M. moved in a Southeasterly course.
No damage reported
Day suitable for flying.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) SEP 15 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	72	71	71	71	70	76	71	73	73	74	77	78	78	79	79	78	76	75	74	73	72	70	72
State of weather: Nature of precipitation and time of beginning and ending																		RB 5:20			RE 9:00			
Amounts of precipitation																		.01	.01	T	.01			
Cloudiness and other conditions													Cloudy											
Sunshine (in tenths of hours)						0	0	0	0	0	0	0.2	0	0	0	0	0	0						
Wind direction	SW	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SE	E	E	E	E	E	SW
Wind movement	6	6	6	7	6	5	6	8	7	6	4	5	4	4	2	2	3	5	4	6	6	7	11	2
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 5:21 Character, Cloudy
Moonrise:
Sunset: Time, 5:51 Character, Cloudy
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

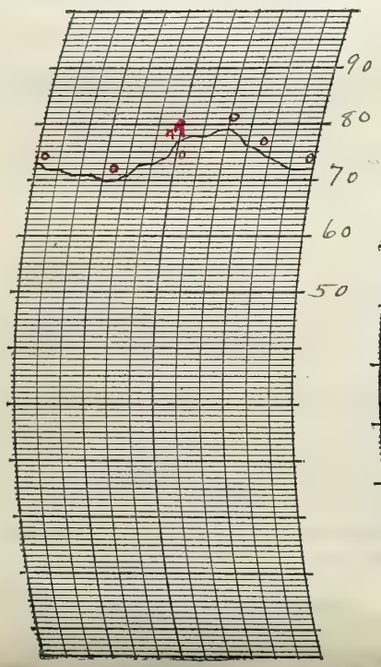
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
79	70	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .02 ins.
Total precipitation, midnight to midnight, .03 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.2 Possible sunshine, hours, 12.5
Per cent of possible sunshine, 2
Prevailing wind direction, SW Total wind, 128
Average hourly velocity, 5.3 Extreme velocity, 17
Maximum velocity, 17 Direction, SE
Time began, 10:42 P
Reduced barometer, 29.97 a. m. 30.02 p. m.
River gage, -0.5 feet
Relative humidity, 93 a. m. 89 p. m.

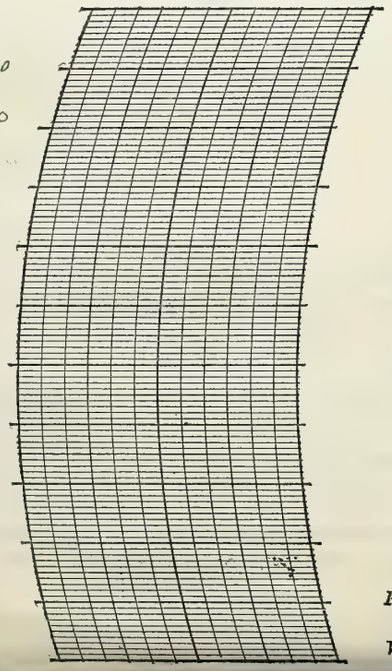
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 77.4 Wet temperature, 71.8
Dew-point, 70 R. humidity, 78 V. pressure, .732
Clouds: Amount, 10; Kind, Stcu; Direction, SW
Velocity of clouds (miles per hour)

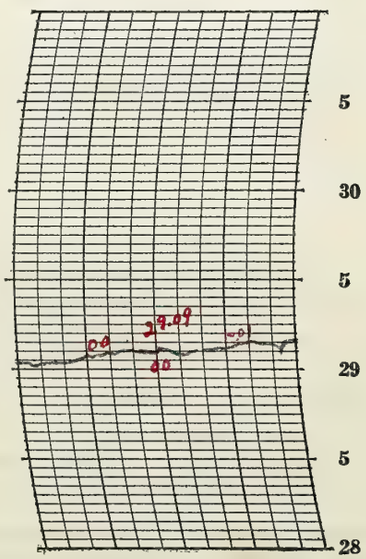
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by R. E. L.

2—486

NOTES

a Cloudy day. Suitable for flying.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Wednesday, (Date) SEP 16 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	70	69	69	69	70	69	70	72	77	84	86
State of weather: Nature of precipitation and time of beginning and ending	RS DNA				RS DNA			RE 8:00	RS 8:50	RE 9:10		
Amounts of precipitation					02	T	02	06	04	03		
Cloudiness and other conditions								Clay				
Sunrise: Time, Character, 5:22 Cloudy												
Moonrise:												
Sunshine (in tenths of hours)						0	0	0	0	0.6	1.0	1.0
Wind direction	S	SE	E	E	E	E	E	E	E	S	S	S
Wind movement	3	4	4	3	4	3	2	3	2	6	9	9
Maximum velocities (exceeding 24 miles) direction and time												

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	88	91	90	89	88	85	84	80	79	77	76	76
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear											
Sunset: Time, Character, 5:49 Clear												
Moonset:												
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.2 0.7	1.0 0	.82 0						
Wind direction	S	SW	SW	SW	SW	SW	SW	S	S	SW	SW	SW
Wind movement	10	10	12	12	10	9	7	9	10	8	7	7
Maximum velocities (exceeding 24 miles) direction and time												

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
91	69	80	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 04 ins.; to 7 p. m., 0.14 ins.
Total precipitation, midnight to midnight, 0.17 inches.
Character of day, Pt Cldy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 8.3 Possible sunshine, hours, 12.4
Per cent of possible sunshine, 67
Prevailing wind direction, SW Total wind, 163
Average hourly velocity, 6.8 Extreme velocity, 16
Maximum velocity, 15 Direction, SW
Time began, 3:53 P
Reduced barometer, 30.10 7a. m. 29.98 7p. m
River gage, -0.2 feet
Relative humidity, 97 7a. m. 66 7p. m.

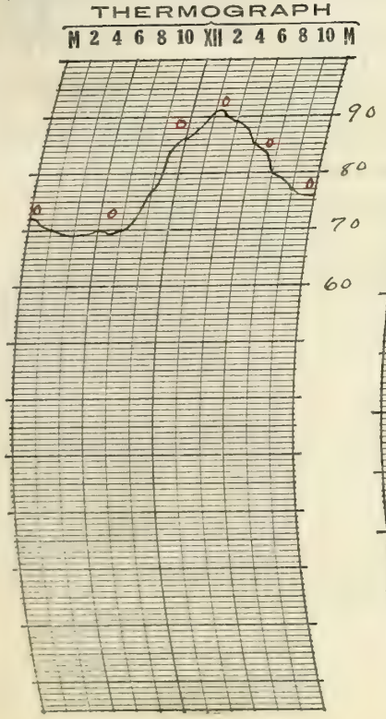
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 86.1 Wet temperature, 76.1
Dew-point, 72 R. humidity, 63 V. pressure, .783
Clouds: Amount, 1; Kind, a Cu; Direction, S
Velocity of clouds (miles per hour)

THERMOGRAPH



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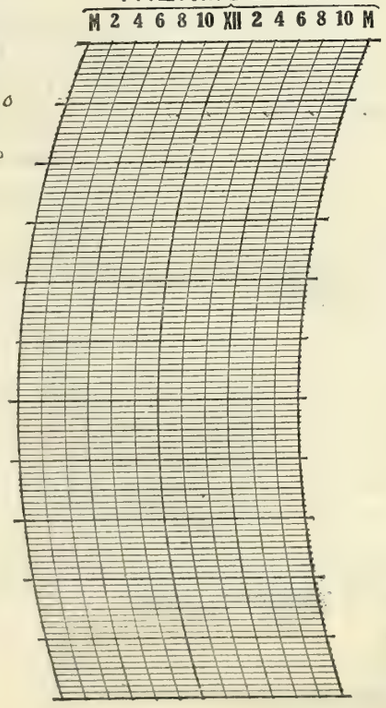
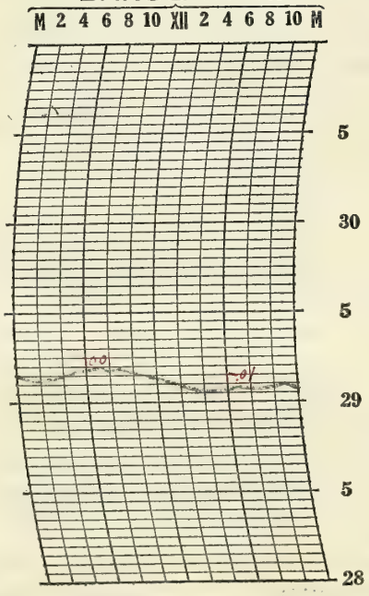


BAROGRAPH.



Prepared by L. C. S.

Verified by P. E. L.

8—486

NOTES

A light fog began during the night A.M. and continued until 8:40 A.M.

Flying conditions very poor until 8:40 A.M.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) SEP 17 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	75	74	76	74	74	74	74	79	81	83	84	84
State of weather: Nature of precipitation and time of beginning and ending												RB 11:50 RE 11:55
Amounts of precipitation												T
Cloudiness and other conditions								← Partly				
Sunrise: Time, 5:23 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)						0	0	0.1	0.9	0.8	0.4	0.2
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W
Wind movement	9	7	10	8	9	8	9	9	11	10	10	11
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	81	80	79	75	75	75	75	72	68	66	65	64
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Cloudy →					
Sunset: Time, 5:47 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0.1	0	0	0	0	0						
Wind direction	W	NW	NW	NW	NW	NW	NW	NW	N	N	N	N
Wind movement	7	11	12	14	12	8	8	10	9	8	8	6
Maximum velocities (exceeding 24 miles) direction and time												

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
84	64	74	

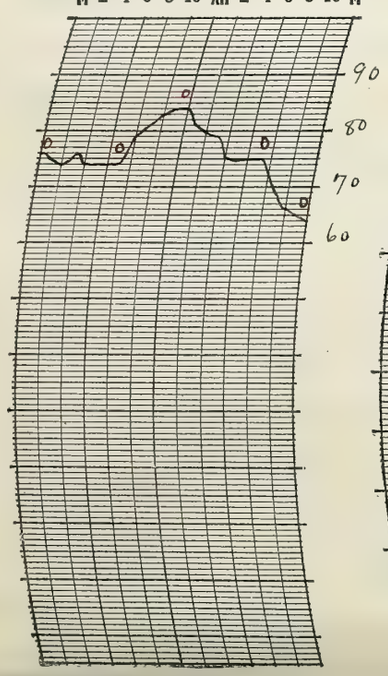
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 2.5 Possible sunshine, hours, 12.4
Per cent of possible sunshine, 20
Prevailing wind direction, SW Total wind, 224
Average hourly velocity, 9.3 Extreme velocity, 18
Maximum velocity, 18 Direction, NW
Time began, 3:22 P
Reduced barometer, 29.96 7 a. m. 30.00 7 p. m.
River gage, −0.5 feet
Relative humidity, 89 7 a. m. 78 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

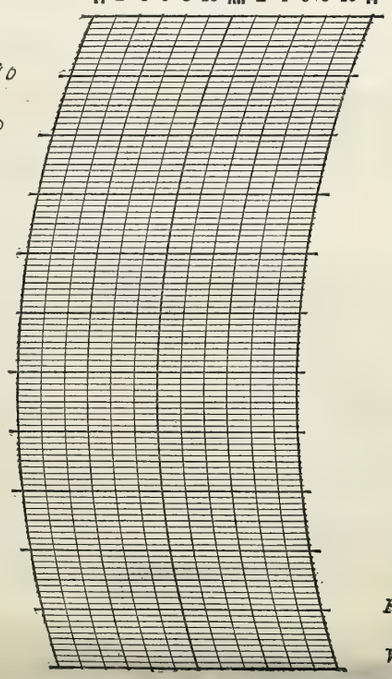
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 83.5 Wet temperature, 74.5
Dew-point, 70 R. humidity, 66 V. pressure, .732
Clouds: Amount, 3; Kind, Cu St; Direction, W
Velocity of clouds (miles per hour)

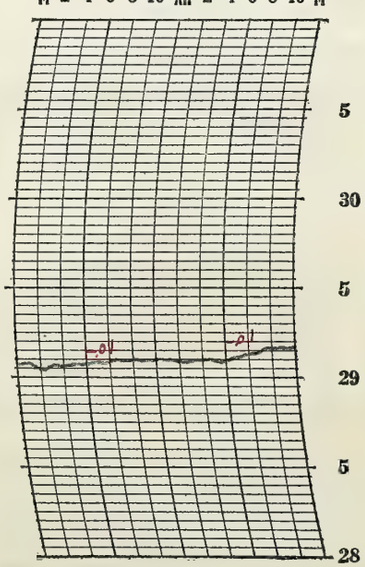
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by R. E. L.

NOTES

a Cloudy day. Flying conditions good

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) SEP 18 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	63	62	61	61	62	62	65	68	68	70	71
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions								← P+Clay		— xCloudy		
Sunshine (in tenths of hours)						0	0	0	1.0	1.0	1.0	1.0
Wind direction	N	N	NE	NE	NE	NE	NE	E	NE	NE	NE	NE
Wind movement	8	6	6	7	9	6	7	10	7	8	8	8
Maximum velocities (exceeding 24 miles) direction and time												

Sunrise: Time, 5:24 Character, Cloudy

Moonrise:

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	72	71	70	68	67	66	64	63	62	61	60
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions								→				
Sunshine (in tenths of hours)	1.0	1.0	0.3	0	0.1	0						
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	9	10	11	11	8	7	7	5	5	6	7	5
Maximum velocities (exceeding 24 miles) direction and time												

Sunset: Time, 5:46 Character, Cloudy

Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
72	60	66	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, P+Cldy Moon phase,

Average daily cloudiness (0-10), 7

Actual sunshine, hours, 6.4 Possible sunshine, hours, 12.4

Per cent of possible sunshine, 52

Prevailing wind direction, NE Total wind, 181

Average hourly velocity, 7.5 Extreme velocity, 14

Maximum velocity, 14 Direction, NE

Time began, 3:00 P

Reduced barometer, 30.13 7 a. m. 30.13 7 p. m

River gage, −0.5 feet

Relative humidity, 87 7 a. m. 64 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

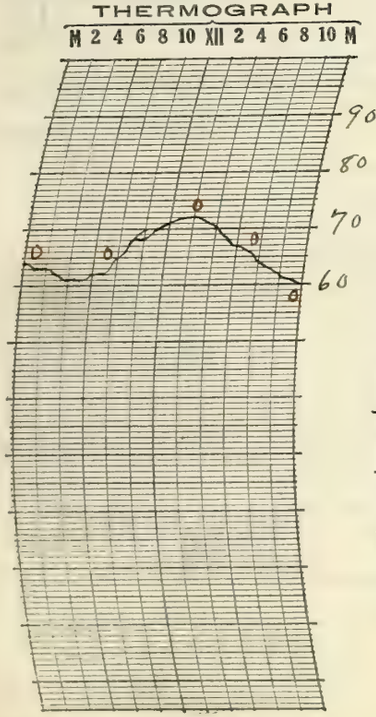
Dry temperature, 71.0 Wet temperature, 62.5

Dew-point, 58 R. humidity, 62 V. pressure, .482

Clouds: Amount, 3; Kind, Cu; Direction, NE

Velocity of clouds (miles per hour)

THERMOGRAPH



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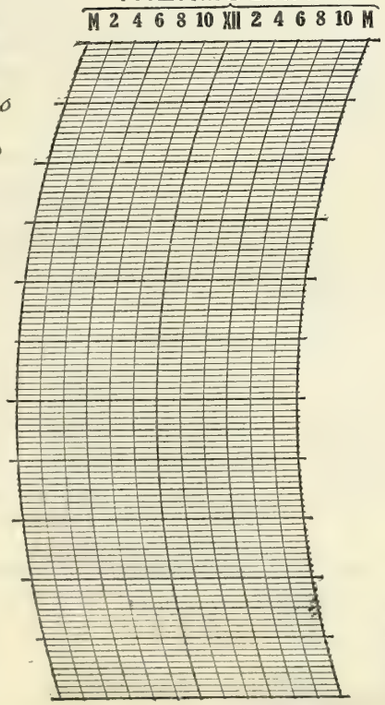
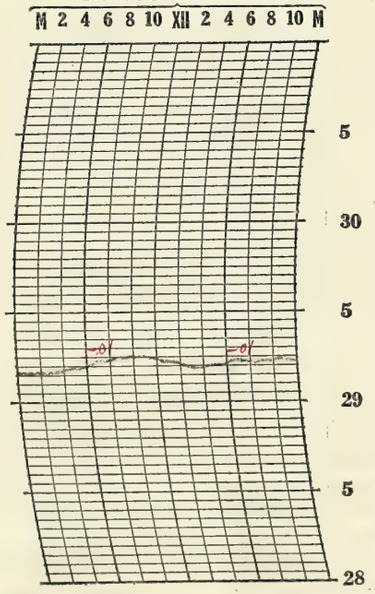


BAROGRAPH.



Prepared by I. C. S.

Verified by P. E. L.

8—486

NOTES

a cool and part cloudy day
suitable for flying

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) SEP 10 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	59	59	59	58	59	60	65	69	72	76	76
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Clear		×		Pt Cldy	
Sunrise: Time, 5:26 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)						0	0.3	1.0	1.0	1.0	1.0	1.0
Wind direction	NE	NE	NE	E	E	E	E	E	E	SE	SE	SE
Wind movement	6	7	5	7	6	6	5	9	9	10	9	10
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	77	80	80	79	78	76	74	72	72	72	72	72
State of weather: Nature of precipitation and time of beginning and ending			RB 2:40 RE 2:45									
Amounts of precipitation			T									
Cloudiness and other conditions						×	Clear			→		
Sunset: Time, 5:44 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	1.0	1.0	0.5	0.4	0.3	0						
Wind direction	SE	E	E	E	E	E	E	E	E	E	SE	S
Wind movement	8	10	8	9	9	7	7	9	6	4	6	10

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
80	58	69	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cldy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 8.5 Possible sunshine, hours, 12.3
Per cent of possible sunshine, 69
Prevailing wind direction, E Total wind, 182
Average hourly velocity, 7.6 Extreme velocity, 12
Maximum velocity, 12 Direction, SE
Time began, 9:56 A
Reduced barometer, 30.09 7 a. m. 29.91 7 p. m.
River gage, +0.2 feet
Relative humidity, 92 7 a. m. 51 7 p. m.

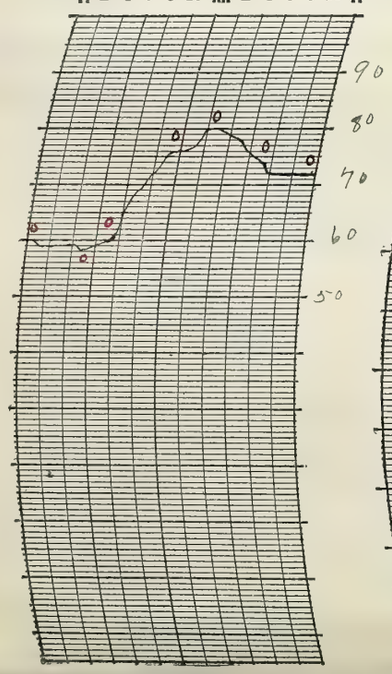
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 76.0 Wet temperature, 61.5
Dew-point, 52 R. humidity, 43 V. pressure, .387
Clouds: Amount, 4 ; Kind, 9 Cu 3 Sc; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH



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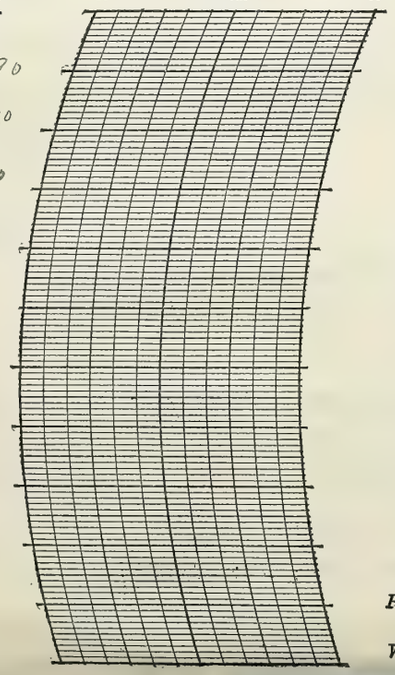
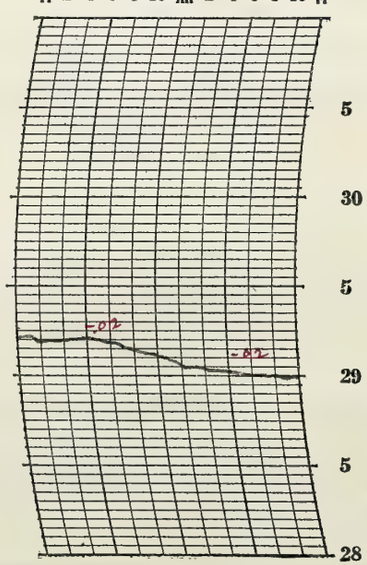


BAROGRAPH.



Prepared by L. C. S.

Verified by REL

NOTES

a part cloudy day 7 lying conditions excellent

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) SEP 20 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	73	73	73	73	72	72	74	80	84	85	87	88	88	89	88	88	87	85	83	80	79	78	78	78
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions								←	Clear	—	—	—	Partly	—	—	×	—	Clear	—	—	—	—	—	→
Sunshine (in tenths of hours)						.55 0	0.5 0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	.60 0.1						
Wind direction	S	S	S	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S	S	S	S	S
Wind movement	8	8	7	9	9	7	8	10	11	16	18	17	17	16	17	16	13	10	8	7	7	7	8	7

Sunrise: Time, 5:27 Character, Clear
Moonrise:
Sunset: Time, 5:42 Character, Clear
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

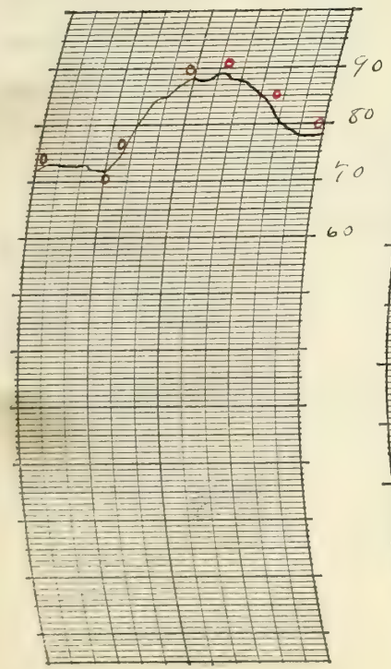
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
89	72	80	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 12.0 Possible sunshine, hours, 12.2
Per cent of possible sunshine, 98
Prevailing wind direction, S Total wind, 261
Average hourly velocity, 10.9 Extreme velocity, 25
Maximum velocity, 23 Direction, SW
Time began, 10:13 A
Reduced barometer, 29.88 7 a. m. 29.87 7 p. m
River gage, −0.5 feet
Relative humidity, 82 7 a. m. 63 7 p. m.

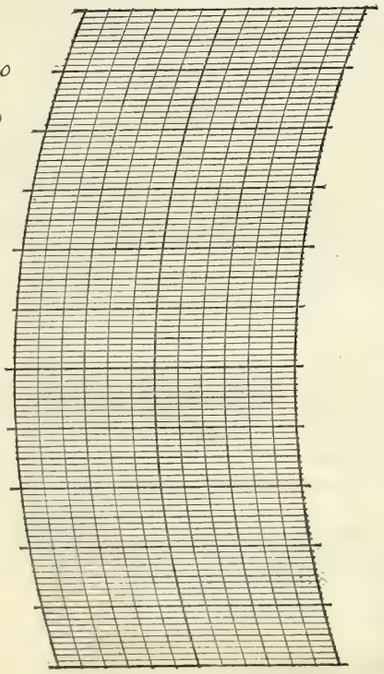
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 88.0 Wet temperature, 73.9
Dew-point, 68 R. humidity, 52 V. pressure, .684
Clouds: Amount, 3; Kind, Acu; Direction, W
Velocity of clouds (miles per hour)

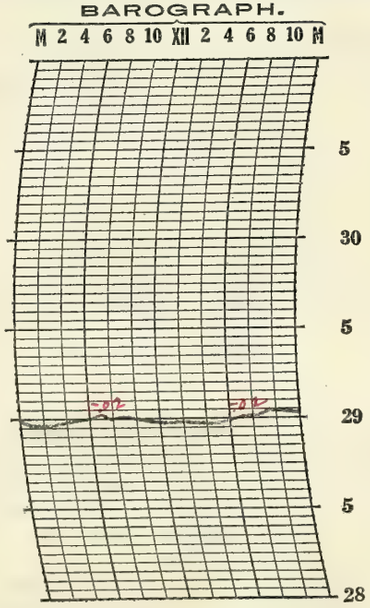
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by R. C. L.

8—486

NOTES

a Clear sultry day. Suitable for flying.
Wind reached a maximum of 23 miles during the day.
Everett Dawson of this city slightly injured in a glider mishap due to rough air currents.
Slight earth tremors were felt here at 5:05 P.M. C.St. and lasted about five seconds.
No image reported.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) SEP 21 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	77	77	76	75	74	74	76	80	84	87	88	89	91	92	91	90	88	86	84	82	81	81	81	80
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions								← Clear																→
Sunshine (in tenths of hours)						.55 0	0.5 0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3 0.6	.66 0						
Wind direction	S	S	S	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S	S	SE	S	S	S
Wind movement	7	10	9	8	10	9	9	11	13	15	16	17	19	18	19	17	16	9	9	8	9	11	11	12
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 5:27 Character, Clear
Moonrise:
Sunset: Time, 5:41 Character, Clear
Moonset:

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

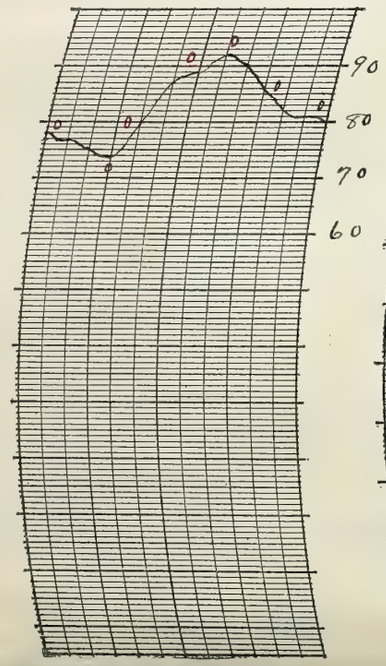
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
92	74	83	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 12.1 Possible sunshine, hours, 12.2
Per cent of possible sunshine, 99
Prevailing wind direction, S Total wind, 292
Average hourly velocity, 12.2 Extreme velocity, 23
Maximum velocity, 22 Direction, SW
Time began, 12:19 P
Reduced barometer, 29.95 7 a. m. 29.94 7 p. m.
River gage, −0.5 Feet
Relative humidity, 74 7 a. m. 61 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 88.8 Wet temperature, 74.3
Dew-point, 68 R. humidity, 51 V. pressure, .684
Clouds: Amount, 3; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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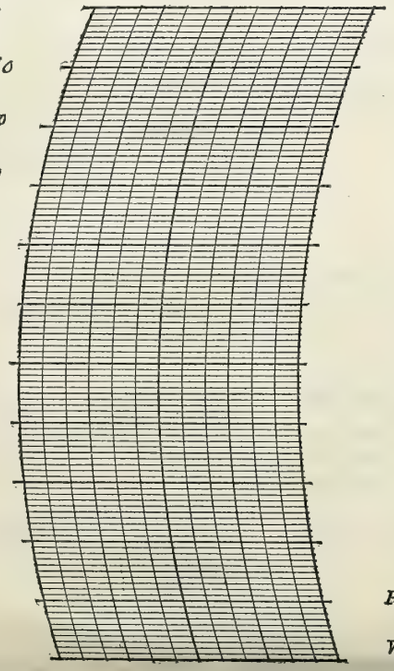
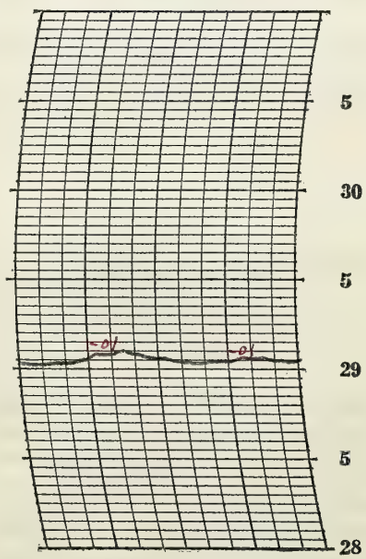


BAROGRAPH.



Prepared by L. C. S.

Verified by R. E. L.

NOTES

a Clear sultry day. Fly lying conditions good

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) SEP 22 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	80	79	78	78	77	76	74	75	74	76	78	80	83	84	85	83	81	79	78	76	74	74	73	72
State of weather: Nature of precipitation and time of beginning and ending							RD 6:15 RE 6:20																	
Amounts of precipitation							T																	
Cloudiness and other conditions						← cloudy		—				Clear								→				
Sunshine (in tenths of hours)						0	0	0.6	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	0						
Wind direction	S	S	S	S	SW	SW	SW	SW	W	W	W	SW	W	W	W	W	NW	NW	NW	N	N	NE	E	E
Wind movement	10	11	11	11	11	8	8	10	11	11	9	10	8	10	9	8	6	4	3	4	5	3	3	4
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 5:28 Character, Cloudy
Moonrise:

Sunset: Time, 5:39 Character, Cloudy
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

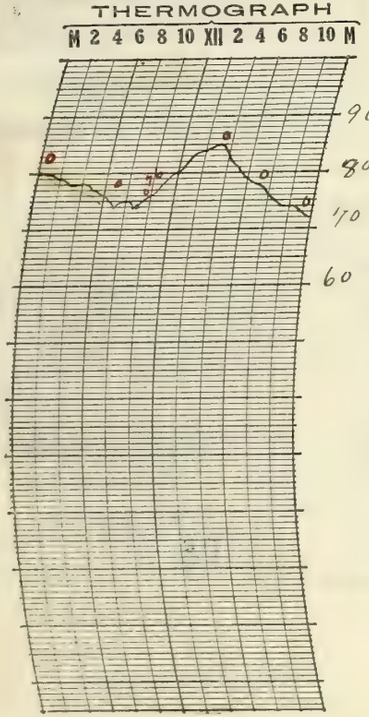
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
85	72	78	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 8.1 Possible sunshine, hours, 12.2
Per cent of possible sunshine, 66
Prevailing wind direction, W Total wind, 188
Average hourly velocity, 7.8 Extreme velocity, 14
Maximum velocity, 14 Direction, W
Time began, 8:52 A
Reduced barometer, 30.06 7 a. m. 30.13 7 p. m
River gage, -0.2 feet
Relative humidity, 80 7 a. m. 60 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 80.4 Wet temperature, 69.9
Dew-point, 64 R. humidity, 59 V. pressure, 5.95
Clouds: Amount, 3; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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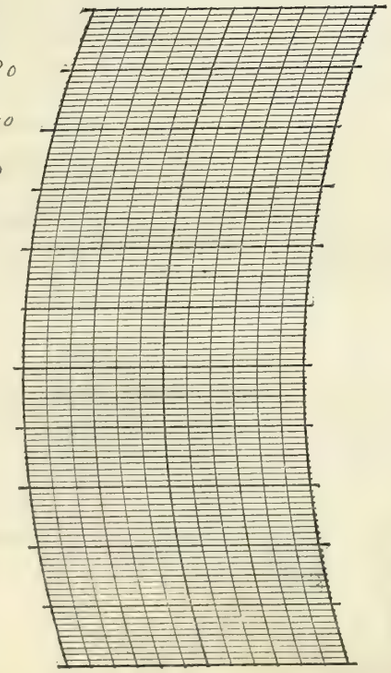
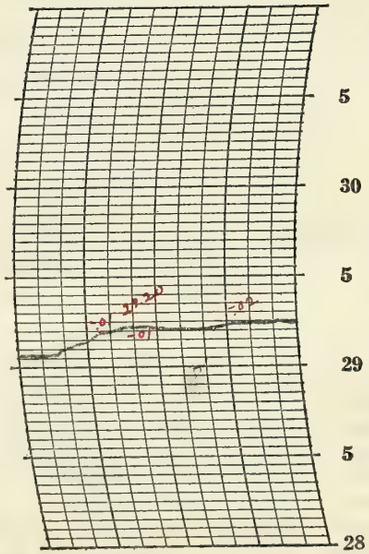


BAROGRAPH.



Prepared by L.C.S.

Verified by R.C.

8—486

NOTES

a Clear beautiful day. Flying conditions good

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) SEP 23 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	70	70	70	67	69	70	70	68	69	73	79	82	83	84	83	81	78	77	73	70	67	65	63
State of weather: Nature of precipitation and time of beginning and ending							RB 6:10			RE 9:05														
Amounts of precipitation							T	05	08	T														
Cloudiness and other conditions								← Cloudy		→			Pt Cldy →											

Sunrise: Time, 5:29; Character, Cloudy. Moonrise:

Sunset: Time, 5:37; Character, Cloudy. Moonset:

Sunshine (in tenths of hours)						0	0	0	0	0	0.8	1.0	1.0	1.0	0.8	1.0	0	0						
Wind direction	E	SE	SE	E	SE	S	S	S	SW	NW	NW	W	W	W	W	W	W	W	W	NW	NW	NW	NW	NW
Wind movement	4	4	4	4	3	2	2	6	4	2	5	8	9	10	11	9	9	7	7	9	13	16	11	8
Maximum velocities (exceeding 24 miles) direction and time																								

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
84	63	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0.13 ins.
Total precipitation, midnight to midnight, 0.13 inches.
Character of day, Pt Cldy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 5.6 Possible sunshine, hours, 12.1
Per cent of possible sunshine, 46
Prevailing wind direction, W Total wind, 167
Average hourly velocity, 7.0 Extreme velocity, 19
Maximum velocity, 18 Direction, NW
Time began, 9:23 P
Reduced barometer, 30.08 7a. m. 29.97 7p. m.
River gage, +0.2 feet
Relative humidity, 77 7a. m. 69 7p. m.

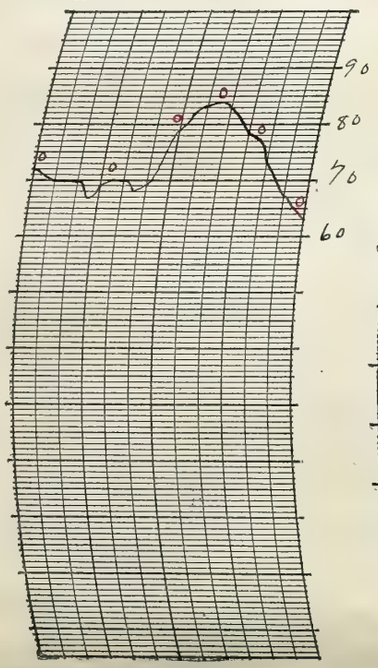
Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 79.4 Wet temperature, 70.9
Dew-point, 67 R. humidity, 66 V. pressure, .661
Clouds: Amount, 3; Kind, Cu Cu; Direction, W SW
Velocity of clouds (miles per hour)

THERMOGRAPH



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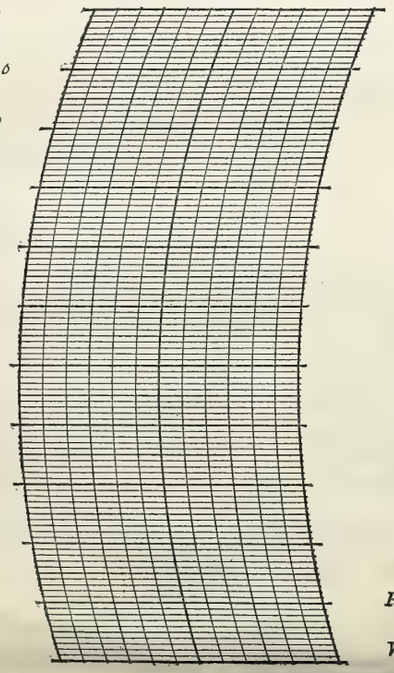
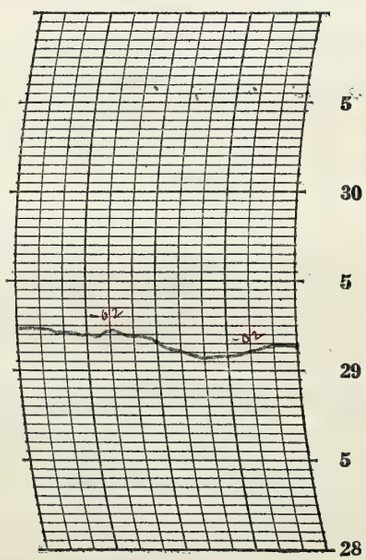


BAROGRAPH.



Prepared by L.C.S.

Verified by R.E.L.

NOTES

a very moderate thunderstorm beginning at 8:10 A.M and ending at 9:05 A.M moved from northwest to southeast. No damage reported. Day suitable for flying.

8—456

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Thursday, (Date) SEP 24 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	62	61	60	57	56	55	56	58	59	60	62	64
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions								← Clear				
Sunshine (in tenths of hours)						.50 0	0.5 0.5	1.0	1.0	1.0	1.0	1.0
Wind direction	NW	NW	NW	NW	NW	N	N	N	N	N	N	N
Wind movement	6	9	9	9	10	7	8	10	10	13	8	8

Sunrise: Time, 5:30 Character, Clear

Moonrise: ——

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	65	67	68	66	65	63	63	61	61	60	58	58
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							→ Partly					
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.8	0	0						
Wind direction	N	N	N	NW	NW	N	N	N	N	NE	E	E
Wind movement	7	6	6	5	4	5	3	4	5	4	7	7

Sunset: Time, 5:36 Character, Cloudy

Moonset: ——

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
68	55	62	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, ——

Average daily cloudiness (0-10), 2

Actual sunshine, hours, 10.3 Possible sunshine, hours, 12.1

Per cent of possible sunshine, 85

Prevailing wind direction, N Total wind, 170

Average hourly velocity, 7.1 Extreme velocity, 15

Maximum velocity, 15 Direction, N

Time began, 9:09 A

Reduced barometer, 30.14 7 a. m. 30.09 7 p. m.

River gage, −0.5 feet

Relative humidity, 71 7 a. m. 53 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

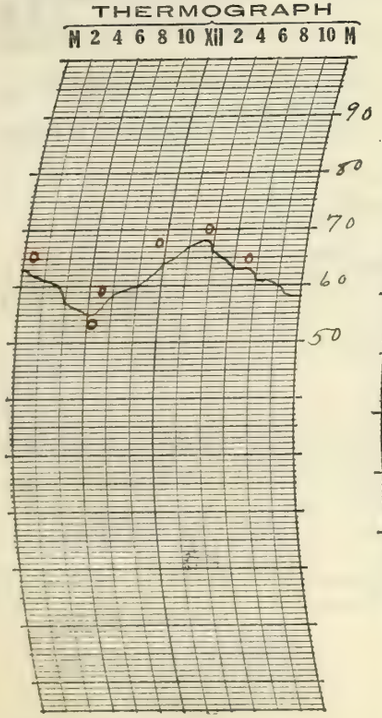
Dry temperature, 64.0 Wet temperature, 52.2

Dew-point, 41 R. humidity, 44 V. pressure, .256

Clouds: Amount, 7 ew; Kind, Ci St; Direction, N

Velocity of clouds (miles per hour)

THERMOGRAPH



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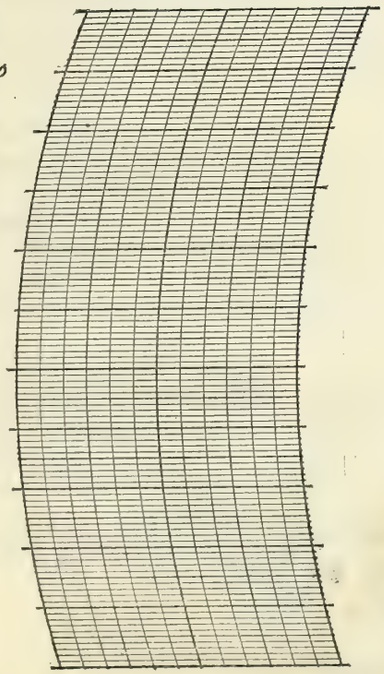
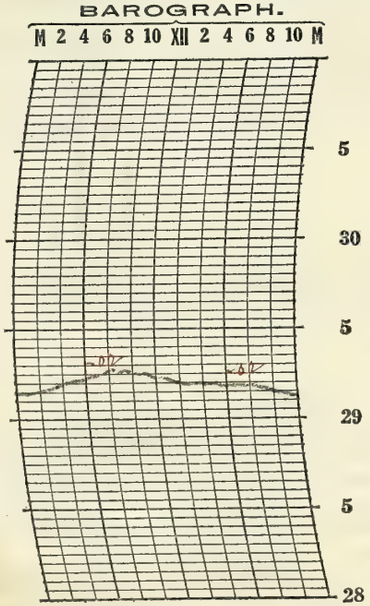


BAROGRAPH.



Prepared by R. C. A.

Verified by J. P. R.

8—486

NOTES

a clear cool day. Flying conditions good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) SEP 25 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	58	58	58	58	58	58	58	55	54	53	54	54
Nature of precipitation and time of beginning and ending							RB 6:05 RE 6:10	RB 7:05				
Amounts of precipitation							T	.02	0.32	0.23	0.15	0.12
Cloudiness and other conditions												
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	E	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	8	7	8	9	12	13	12	14	10	12	13	10

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	55	56	60	62	64	67	67	67	66	60	58	58
Nature of precipitation and time of beginning and ending					RE 4:20							
Amounts of precipitation	.06	0.16	0.22	.02	T							
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	SE	SE	SE	SE	SE	S	SW	SW	SW	W	W	SW
Wind movement	10	12	7	9	8	8	6	6	10	14	8	9

State of weather.

Sunrise: Time, 5:31 Character, Cloudy

Moonrise:

Sunset: Time, 5:34 Character, Cloudy

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
67	53	60	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 1.30 ins.

Total precipitation, midnight to midnight, 1.30 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 12.0

Per cent of possible sunshine, 0

Prevailing wind direction, SE Total wind, 235

Average hourly velocity, 9.8 Extreme velocity, 20

Maximum velocity, 19 Direction, W

Time began, 9:07 P

Reduced barometer, 29.90 7 a. m. 29.61 7 p. m.

River gage, +0.2 feet

Relative humidity, 62 7 a. m. 97 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

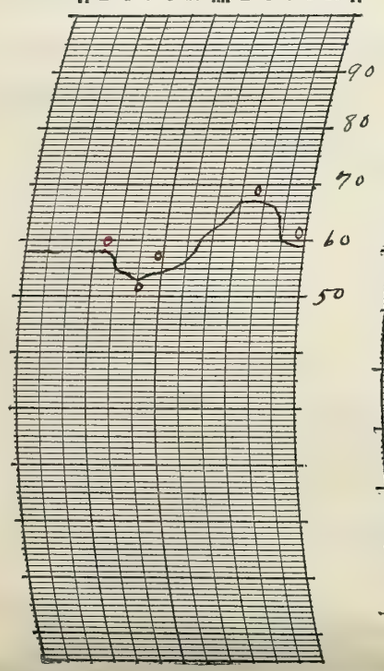
Dry temperature, 54.0 Wet temperature, 53.5

Dew-point, 53 R. humidity, 97 V. pressure, .402

Clouds: Amount, 10; Kind, Stcu; Direction, SE

Velocity of clouds (miles per hour)

THERMOGRAPH



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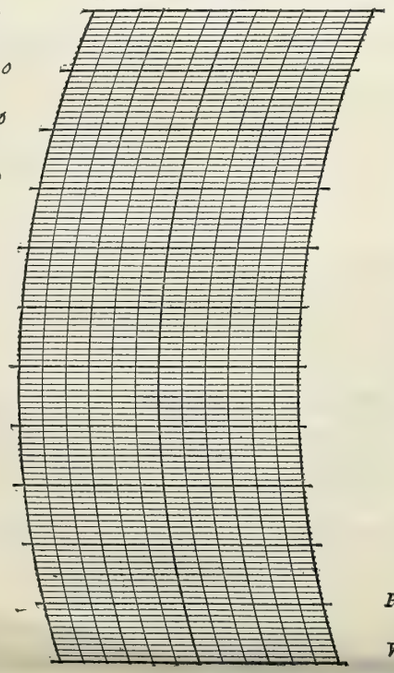
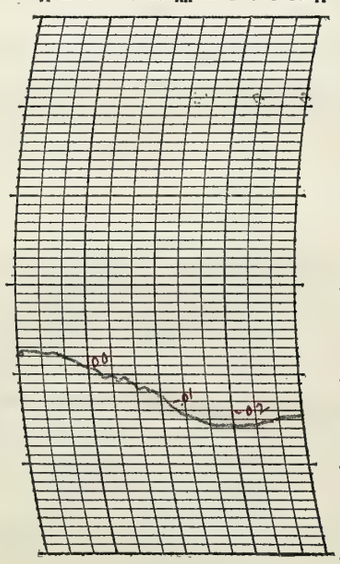


BAROGRAPH.



Prepared by L.C.S.

Verified by REL.

NOTES

A very light thunderstorm began at 8:35 A.M. and ended at 4:20 P.M. no damage reported.

Flying conditions poor until 4:30 P.M.

Special observation to Chicago account of .10 in. drop in barometer in two hours

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) SEP 26 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	58	54	52	52	50	51	52	54	55	57	56	58
Nature of precipitation and time of beginning and ending		RB DNA RE DNA										
Amounts of precipitation		T										
Cloudiness and other conditions								Cloudy		Pt Cldy		
Sunshine (in tenths of hours)						0	0	0	0	0.4	0.1	0.3
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	9	8	7	6	9	9	11	11	12	12	15	15

Sunrise: Time, 5:32 Character, Cloudy

Moonrise:

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	55	56	55	55	54	54	54	53	52	52	52
Nature of precipitation and time of beginning and ending		RB 1:25 RE 1:40		RB 3:35 RE 3:40				RB 7:50		RE DNP		
Amounts of precipitation		T		T				T	T	.04		
Cloudiness and other conditions				Cloudy								
Sunshine (in tenths of hours)	0	0	0.3	0	0	0						
Wind direction	W	W	W	W	W	W	W	W	W	W	W	W
Wind movement	17	15	16	15	13	13	9	11	10	8	9	9

Sunset: Time, 5:32 Character, Cloudy

Moonset:

Maximum velocities (exceeding 24 miles) direction and time: 26 W 12:22

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
59	50	54	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, .04 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 9

Actual sunshine, hours, 1.1 Possible sunshine, hours, 12.0

Per cent of possible sunshine, 9

Prevailing wind direction, SW & W Total wind, 269

Average hourly velocity, 11.2 Extreme velocity, 26

Maximum velocity, 26 Direction, W

Time began, 12:22 P

Reduced barometer, 29.73 7 a. m. 29.88 7 p. m.

River gage, -0.5 feet

Relative humidity, 93 7 a. m. 85 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

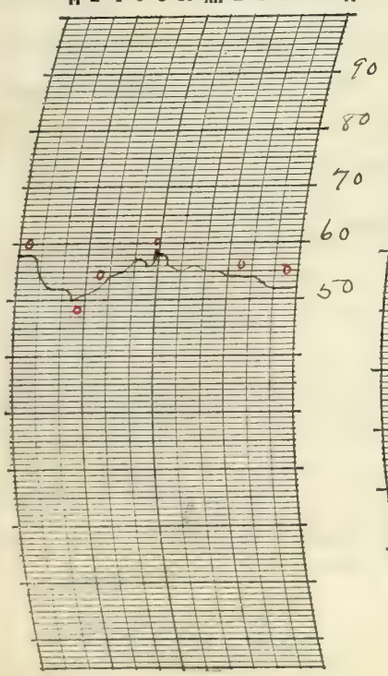
Dry temperature, 57.5 Wet temperature, 51.5

Dew-point, 46 R. humidity, 66 V. pressure, .310

Clouds: Amount, 5; Kind, St. Cu.; Direction, SW

Velocity of clouds (miles per hour)

THERMOGRAPH



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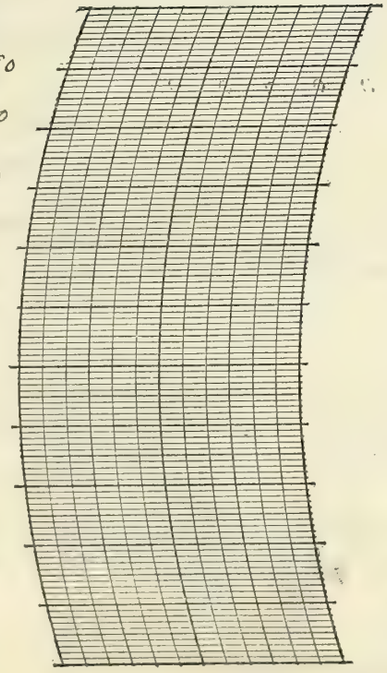
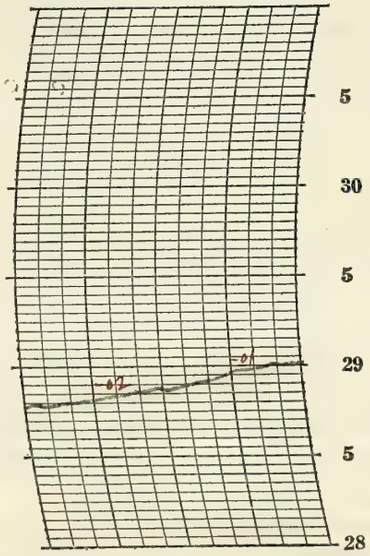


BAROGRAPH.



Prepared by L. C. S.

Verified by R. E. L.

8—486

NOTES

a Cloudy day. 7 flying conditions fair

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) SEP 27 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	52	52	51	50	50	50	50	52	54	56	59	60
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Cldy	→	Pt Cldy	→	x Cldy	→	
Sunshine (in tenths of hours)						0	0	0	0.1	0.6	0.4	0.6
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	N	N	N	N
Wind movement	10	9	10	12	9	11	13	13	13	14	13	13

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	62	62	62	62	61	58	56	54	52	50	49	48
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	→	Pt Cldy	→		→	Clear	→					
Sunshine (in tenths of hours)	0.9	0.8	0.4	0.5	0.6 0.4	50 0						
Wind direction	NW	N	NW	NW	N	N	N	N	NW	NW	NW	NW
Wind movement	12	12	11	10	10	9	6	5	6	6	4	4

Sunrise: Time, 5:33 Character, Cloudy

Moonrise:

Sunset: Time, 5:30 Character, Clear

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
62	48	55	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .04 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cldy Moon phase,

Average daily cloudiness (0-10), 6

Actual sunshine, hours, 5.8 Possible sunshine, hours, 12.0

Per cent of possible sunshine, 48

Prevailing wind direction, NW Total wind, 235

Average hourly velocity, 9.8 Extreme velocity, 23

Maximum velocity, 23 Direction, NW

Time began, 6:18 A

Reduced barometer, 30.06 7 a. m. 30.16 7 p. m.

River gage, + 0.2 feet

Relative humidity, 81 7 a. m. 62 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

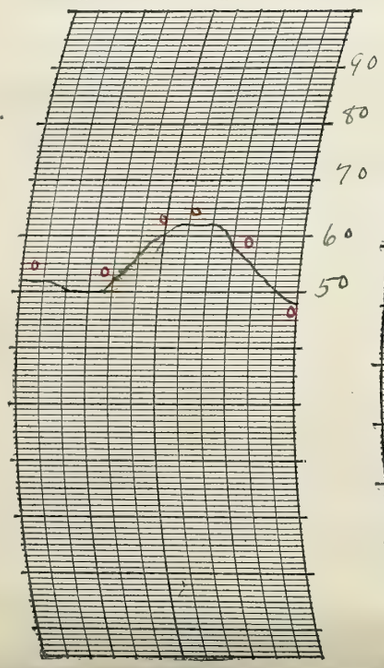
Dry temperature, 60.0 Wet temperature, 51.0

Dew-point, 43 R. humidity, 53 V. pressure, .277

Clouds: Amount, 8; Kind, St Cu; Direction, NE

Velocity of clouds (miles per hour)

THERMOGRAPH



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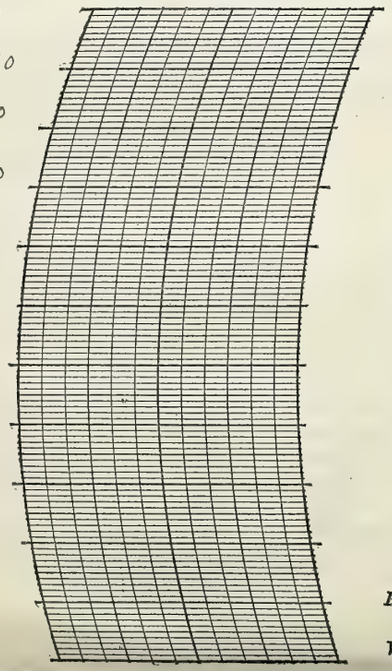
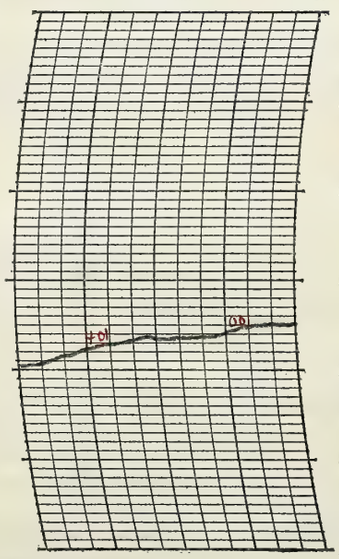


BAROGRAPH.



Prepared by F. C. S.

Verified by R.E.L.

NOTES

a cool part cloudy day 7 flying conditions good

8—436

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) SEP 28 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	48	47	46	46	46	47	47	54	55	57	58	61	61	63	64	63	62	61	58	56	54	52	52	51
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions								← Clear			✱ cdy	✱ Clear								→				
Sunshine (in tenths of hours)						.42 0	0.4 0.6	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.4 0.6	.48 0						
Wind direction	NW	NW	NW	N	N	N	N	N	NE	NE	NE	N	N	NE	N	N	N	NW	NW	NW	NW	NW	NW	NW
Wind movement	4	4	4	5	5	4	3	4	9	8	8	7	7	6	6	7	5	4	5	2	4	2	3	2

Sunrise: Time, 5:35 Character, Clear
Moonrise:
Sunset: Time, 5:29 Character, Clear
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

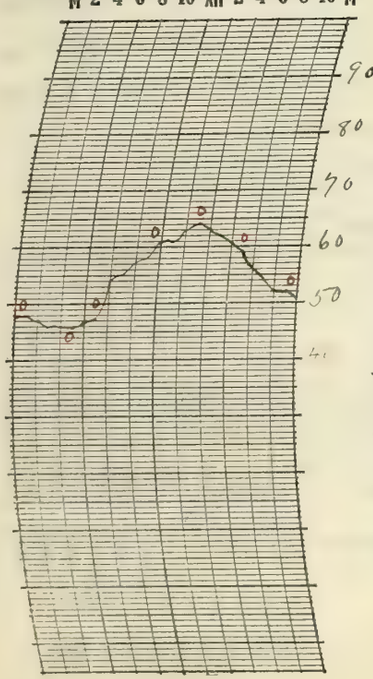
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
64	46	55	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 11.8 Possible sunshine, hours, 11.9
Per cent of possible sunshine, 99
Prevailing wind direction, N & NW Total wind, 118
Average hourly velocity, 4.9 Extreme velocity, 11
Maximum velocity, 11 Direction, NE
Time began, 9:13 A
Reduced barometer, 30.28 7 a. m. 30.24 7 p. m.
River gage, −0.5 feet
Relative humidity, 85 7 a. m. 60 7 p. m.

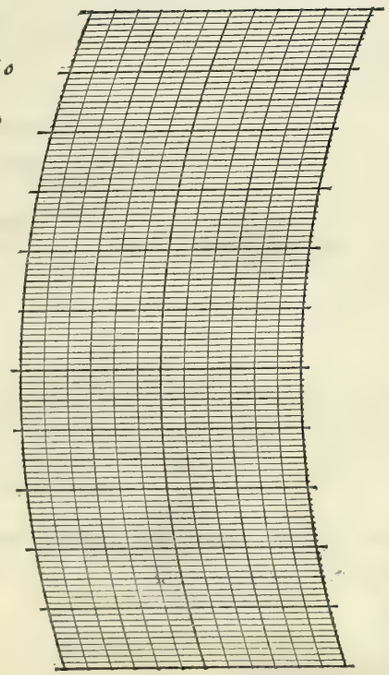
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 61.0 Wet temperature, 50.5
Dew-point, 41 R. humidity, 47 V. pressure, 2.56
Clouds: Amount, 2/2; Kind, ci cu / ac cu; Direction, NE / NE / NE
Velocity of clouds (miles per hour)

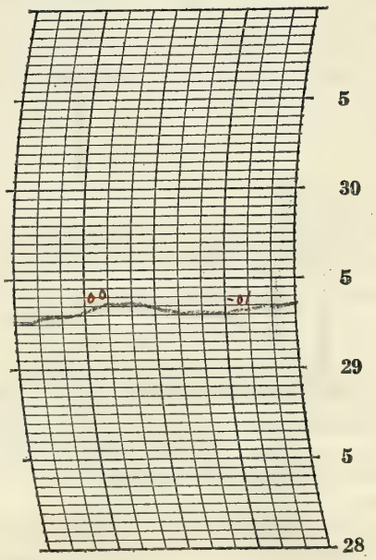
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by R. C. L.

8—486

NOTES

a Clear cool day. Heavy dew in morning. Flying conditions excellent.
a 22° Lunar Halo was observed at 8:00 PM.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) SEP 29 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	50	50	50	49	49	48	52	58	61	64	65	66	67	70	69	68	67	65	64	61	60	58	56	54
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Clear					Partly					Clear					→		
Sunrise: Time, 5:36 Character, Clear																					Sunset: Time, 5:27 Character, Clear			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)						4.0 0	0.6 0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6 0.4	4.5 0						
Wind direction	NW	N	N	N	N	N	N	N	NE	NE	E	NE	E	NE	NE	NE	NE	E	E	E	E	E	E	E
Wind movement	4	3	3	3	3	2	2	4	5	5	6	5	6	5	5	5	5	3	5	5	6	5	1	2
Maximum velocities (exceeding 24 miles) direction and time																								

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
70	48	59	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 11.8 Possible sunshine, hours, 11.8
Per cent of possible sunshine, 100
Prevailing wind direction, E Total wind, 98
Average hourly velocity, 4.1 Extreme velocity, 8
Maximum velocity, 8 Direction, NE
Time began, 11:17A
Reduced barometer, 30.37 7a. m. 30.36 7p. m.
River gage, +0.5 feet
Relative humidity, 81 7a. m. 53 7p. m.

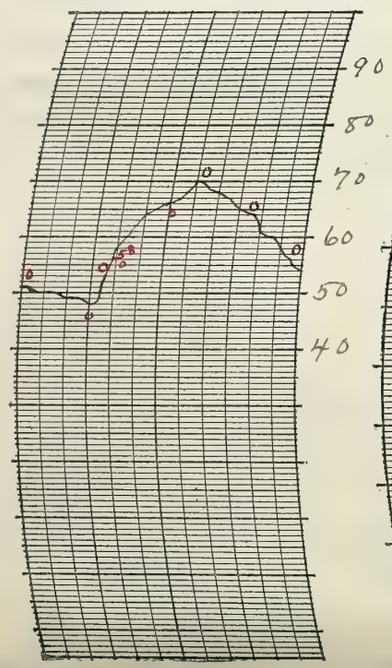
Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

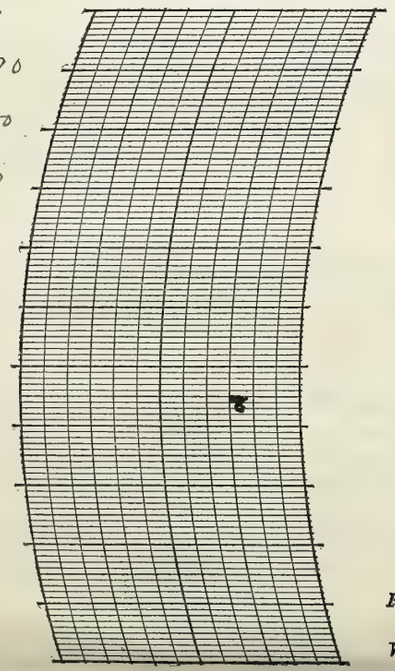
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 66.0 Wet temperature, 53.5
Dew-point, 43 R. humidity, 43 V. pressure, .277
Clouds: Amount, 4; Kind, ac; Direction, E
Velocity of clouds (miles per hour)

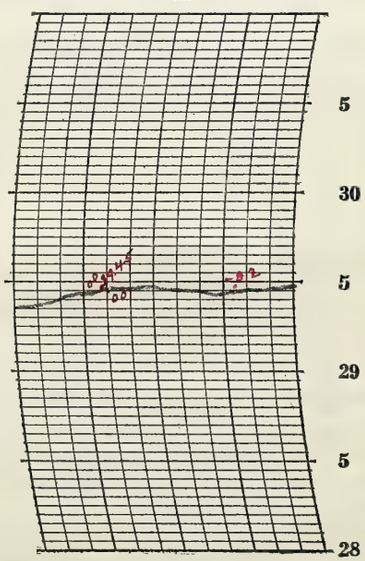
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by R. E. L.

8—486

NOTES

a Clear day. Flying conditions excellent. Heavy dew in Morning.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) SEP 30 1931, 193

Time (local standard) 90 mer. normal time. -12-

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	54	53	51	50	50	50	53	57	62	65	67	69
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Clear					
Sunshine (in tenths of hours)						.38 0	0.8 0.2	1.0	1.0	1.0	1.0	1.0
Wind direction	E	E	E	E	E	E	SE	SE	S	S	S	S
Wind movement	2	2	2	2	3	4	5	7	8	10	9	10

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	70	71	72	72	70	67	65	62	61	60	59	58
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	1.0	1.0	0.9	0.7	0.7 0.3	42 0						
Wind direction	SW	SW	SW	S	SW	S	S	SW	S	SW	SW	SW
Wind movement	9	9	9	8	8	7	8	6	6	7	7	7

Sunrise: Time, 5:37 Character, Clear

Moonrise: ____ ____

Sunset: Time, 5:25 Character, Clear

Moonset: ____ ____

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
72	50	61	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, ____

Average daily cloudiness (0-10), 2

Actual sunshine, hours, 11.4 Possible sunshine, hours, 11.8

Per cent of possible sunshine, 97

Prevailing wind direction, S+SW Total wind, 155

Average hourly velocity, 6.5 Extreme velocity, 14

Maximum velocity, 14 Direction, S

Time began, 9:39A

Reduced barometer, 30.42 7 p. m. 30.32 7 p. m

River gage, +0.5 feet

Relative humidity, 72 7 a. m. 57 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

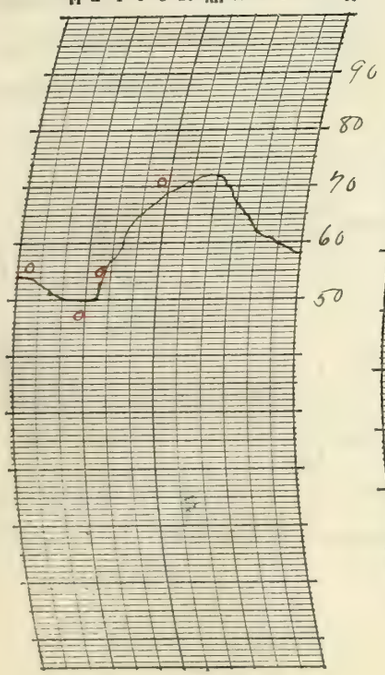
Dry temperature, 69.1 Wet temperature, 55.0

Dew-point, 43 R. humidity, 40 V. pressure, .277

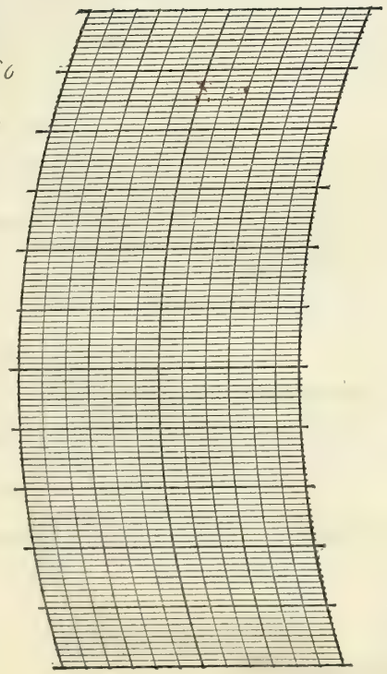
Clouds: Amount, 2; Kind, Ci; Direction, W

Velocity of clouds (miles per hour) ____

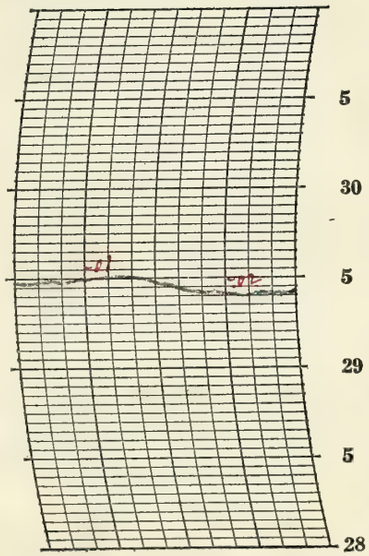
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.J.

Verified by W.E.L.

8—486

NOTES

a Clear day. 7 lying conditions excellent. Heavy dew in morning

Pennell

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) OCT 1 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	57	58	58	59	59	58	58	60	62	66	70	71
State of weather: Nature of precipitation and time of beginning and ending				RB 10NA RE 10NA								
Amounts of precipitation				T								
Cloudiness and other conditions							← Cloudy					
Sunrise: Time, 5:38 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)						0	0	0	0	0.5	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	W	W	NW	NW
Wind movement	9	8	8	6	7	5	5	4	6	4	5	3
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	74	76	75	73	68	66	66	65	64	63	61	62
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear						
Sunset: Time, 5:23 Character, Clear												
Moonset:												
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.9	0.9 0.1	.38 0						
Wind direction	W	W	SW	SW	SW	W	W	W	W	SW	SW	SW
Wind movement	5	5	6	6	8	4	4	4	3	2	1	2
Maximum velocities (exceeding 24 miles) direction and time												

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
76	57	66	

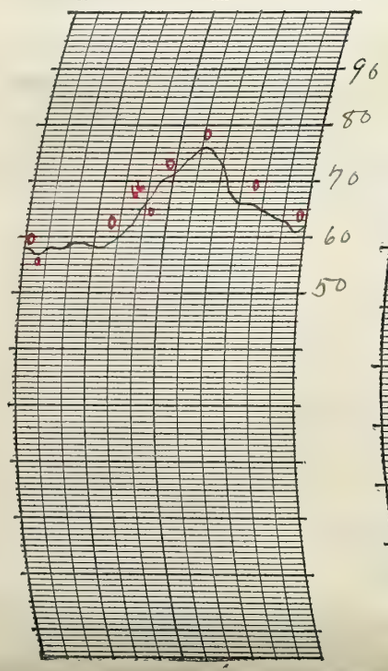
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cldy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 7.8 Possible sunshine, hours, 11.8
Per cent of possible sunshine, 66
Prevailing wind direction, SW Total wind, 120
Average hourly velocity, 5.0 Extreme velocity, 10
Maximum velocity, 10 Direction, SW
Time began, 4:28 P
Reduced barometer, 30.38 7 a. m. 30.31 7 p. m.
River gage, +0.5 feet
Relative humidity, 80 7 a. m. 78 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

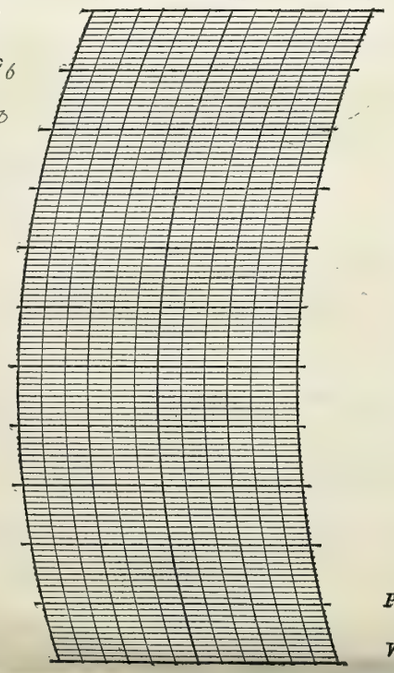
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 71.0 Wet temperature, 60.9
Dew-point, 55 R. humidity, 56 V. pressure, 432
Clouds: Amount, 8; Kind, Ci; Direction, W
Velocity of clouds (miles per hour)

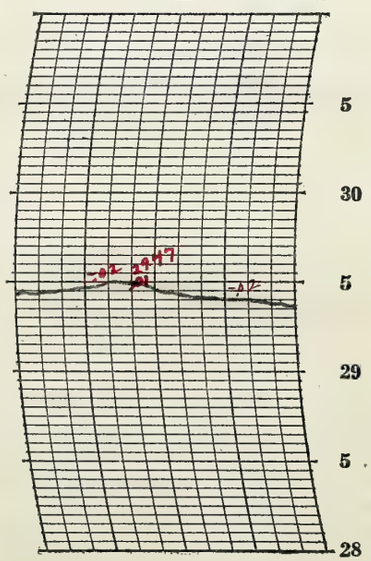
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by RCL

8—486

NOTES

A fast cloudy day. 7 flying conditions good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) OCT 2 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	62	61	60	60	59	59	59	62	67	71	74	76	78	78	78	77	76	73	72	68	67	65	63	62
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Clear				Cloudy		X	Clear					→					
Sunshine (in tenths of hours)						.35 0	1.0 0	0.2 0.7	1.0	1.0	0.9	1.0	1.0	1.0	1.0	0.4	0	0						
Wind direction	S	S	S	S	S	SW	S	S	SW	SW	SW	W	SW	SW	SW	SW	SW	SW	S	S	SW	S	S	S
Wind movement	4	3	3	4	6	5	6	6	9	9	10	11	9	10	11	9	7	5	5	6	7	6	6	5

Sunrise: Time, 5:39 Character, Clear
Moonrise:

Sunset: Time, 5:22 Character, Cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

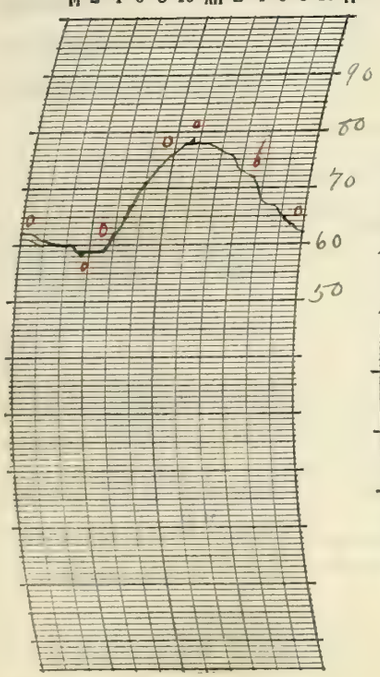
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
79	58	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 9.6 Possible sunshine, hours, 11.7
Per cent of possible sunshine, 82
Prevailing wind direction, S Total wind, 162
Average hourly velocity, 6.8 Extreme velocity, 16
Maximum velocity, 15 Direction, SW
Time began, 10:41 A
Reduced barometer, 30.22 7 a. m. 30.13 7 p. m.
River gage, +0.7 feet
Relative humidity, 86 7 a. m. 49 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 76.0 Wet temperature, 64.0
Dew-point, 57 R. humidity, 52 V. pressure, .465
Clouds: Amount, 3 4; Kind, ~~Cu~~ Ci Cu ~~Ci St~~; Direction, ~~NW~~ NW
Velocity of clouds (miles per hour)

THERMOGRAPH



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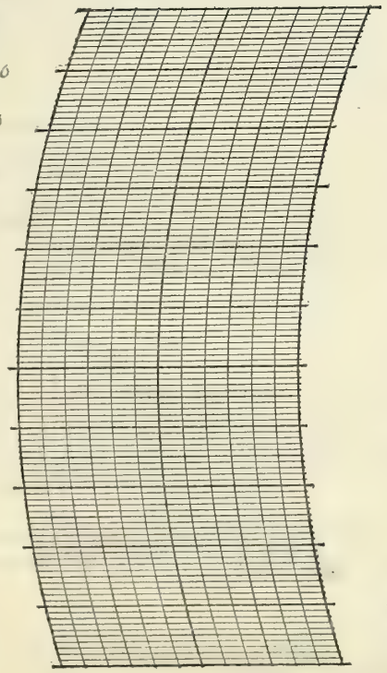
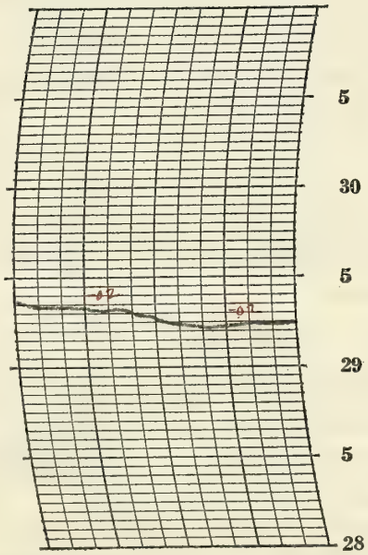


BAROGRAPH.



Prepared by L. C. A.

Verified by [illegible]

8—486

NOTES

a clear beautiful day. Flying conditions very good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) OCT 8 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	61	59	59	58	59	60	60	64	70	75	78	79	81	81	81	80	76	74	73	70	68	66	65	65
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Partly X					Clear													→
Sunshine (in tenths of hours)						0	0	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8 / 0.2	3.3 / 0						
Wind direction	S	S	S	S	S	S	S	S	S	S	S	SW	SW	S	S	S	S	S	S	S	S	S	S	S
Wind movement	5	5	4	7	8	7	6	7	6	8	9	10	11	13	12	11	7	6	7	8	7	8	7	8
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 5:0 Character, Cloudy
Moonrise:

Sunset: Time, 5:20 Character, Clear
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

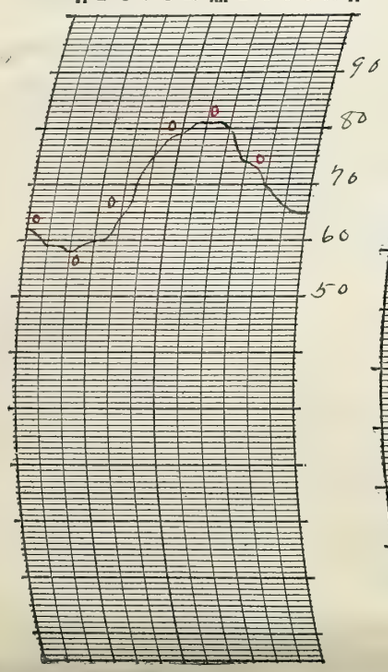
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
81	58	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 9.4 Possible sunshine, hours, 11.7
Per cent of possible sunshine, 80
Prevailing wind direction, S Total wind, 187
Average hourly velocity, 7.8 Extreme velocity, 16
Maximum velocity, 16 Direction, S
Time began, 1:27 P
Reduced barometer, 30.18 7 a. m. 30.10 7 p. m.
River gage, −0.5 feet
Relative humidity, 66 7 a. m. 48 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 79.0 Wet temperature, 64.0
Dew-point, 55 R. humidity, 44 V. pressure, .432
Clouds: Amount, 7 few; Kind, Ci Cu; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH



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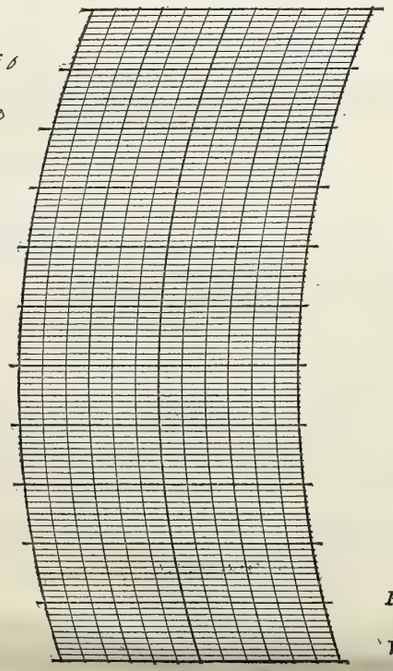
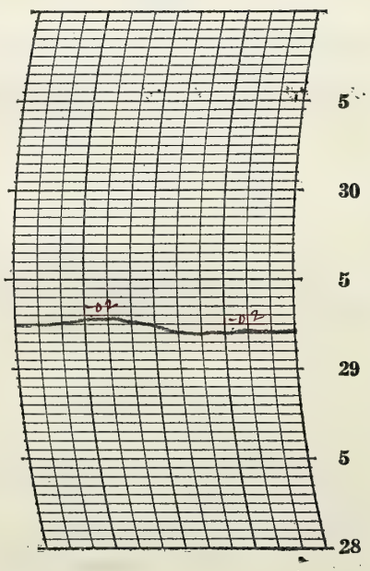


BAROGRAPH.



Prepared by L. C. L.

Verified by R. E. L.

8—486

NOTES

a Clear warm day. Flying conditions excellent.

Form No. 1012—Met-1

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) OCT 4 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	62	60	60	59	59	60	68	74	76	78	80	81	81	82	80	78	76	75	73	70	69	69	68
State of weather: Nature of precipitation and time of beginning and ending																				RB 7:20	RE 8:10 RB 8:50 RE 9:00			
Amounts of precipitation																				T	.01			
Cloudiness and other conditions							Clear															7		

Sunrise: Time, 5:41 Character, Clear
Moonrise:
Sunset: Time, 5:19 Character, Cloudy
Moonset:

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)						.32 0	1.0 0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	1.0	1.0	0.2	0						
Wind direction	S	S	S	S	S	S	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	S	S	SW	SW	S	S	S
Wind movement	7	7	7	7	8	7	7	8	8	9	11	15	16	14	16	14	11	9	9	8	9	8	8	8
Maximum velocities (exceeding 24 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

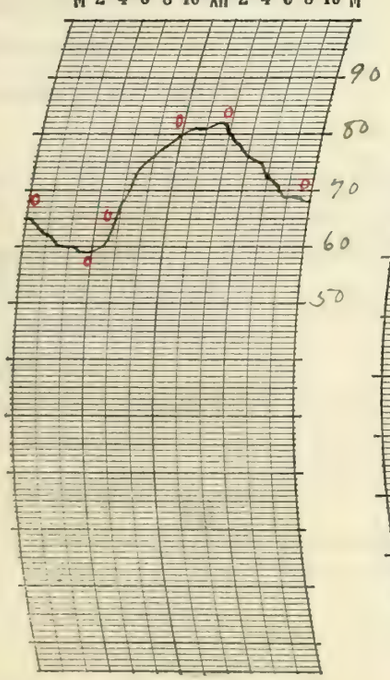
Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
82	59	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Pt Cldy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 10.2 Possible sunshine, hours, 11.6
Per cent of possible sunshine, 88
Prevailing wind direction, S Total wind, 231
Average hourly velocity, 9.6 Extreme velocity, 23
Maximum velocity, 22 Direction, SW
Time began, 2:12 P
Reduced barometer, 30.10 7 a. m. 30.04 7 p. m.
River gage, -0.5 feet
Relative humidity, 71 7 a. m. 59 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)
Dry temperature, 80.1 Wet temperature, 64.6
Dew-point, 55 R. humidity, 43 V. pressure, .432
Clouds: Amount, 3/3; Kind, Ac cu; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH



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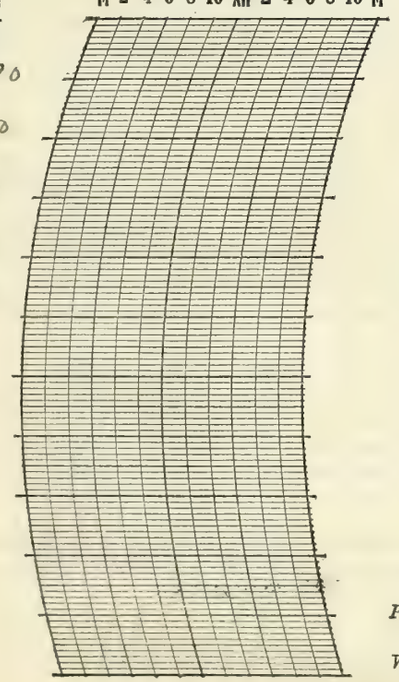
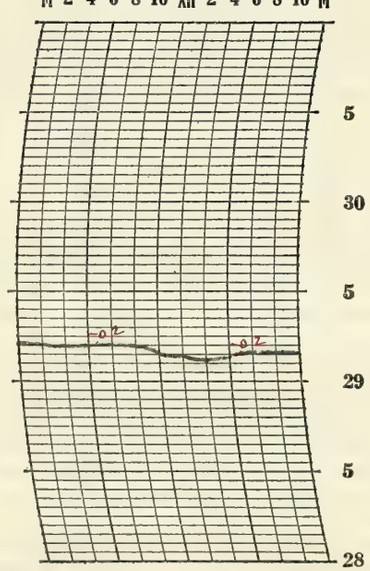


BAROGRAPH.



Prepared by L. J.
Verified by [illegible]

8—486

NOTES

A partly cloudy day, mostly Cumulus clouds. Threatening at times. A light rain in the evening and a moderate thundershower a little after 8 P.M. did not cause any damage. A warm pleasant day.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) OCT 5 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	66	66	66	66	66	66	71	76	77	78	81	83	83	82	82	79	78	77	73	70	68	66	66
State of weather: Nature of precipitation and time of beginning and ending						RB 5:45 RE 5:50																	RB 10:06 RE 10:30	
Amounts of precipitation						T																	02	
Cloudiness and other conditions							← Clear						X	Pt Cldy						→				
Sunrise: Time, 5:42 Character, Cloudy																					Sunset: Time, 5:17 Character, Cloudy			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)						0	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.6	0	0						
Wind direction	S	SW	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W	W	S	S	S	S	S
Wind movement	6	6	6	7	6	5	7	7	5	6	7	8	7	9	9	6	7	3	4	5	8	8	8	6
Maximum velocities (exceeding 2.4 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
84	66	75	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 01 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .02 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 3

Actual sunshine, hours, 8.6 Possible sunshine, hours, 11.6

Per cent of possible sunshine, 74

Prevailing wind direction, SW Total wind, 156

Average hourly velocity, 6.5 Extreme velocity, 13

Maximum velocity, 13 Direction, SW

Time began, 2:48 P

Reduced barometer, 30.10 7 a. m. 30.07 7 p. m.

River gage, −0.5 feet

Relative humidity, 88 7 a. m. 65 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

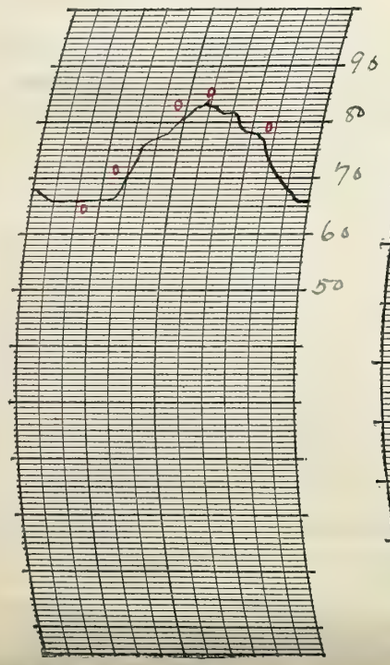
Dry temperature, 81.0 Wet temperature, 70.5

Dew-point, 66 R. humidity, 60 V. pressure, .638

Clouds: Amount, 1; Kind, Cu; Direction, W

Velocity of clouds (miles per hour)

THERMOGRAPH



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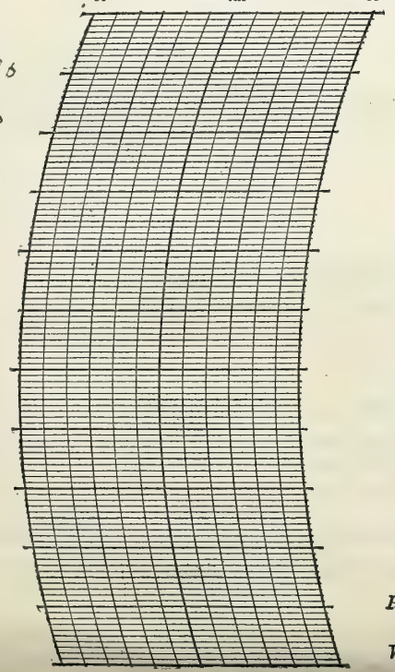
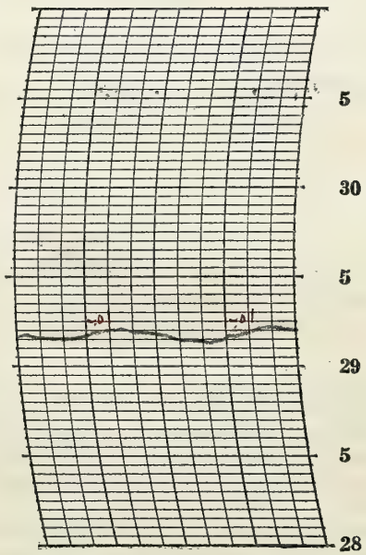


BAROGRAPH.



Prepared by I.C.S.

Verified by REL

8—486

NOTES

Three moderate thunderstorms occurred during the day. No damage reported. Day very suitable for flying

FORM NO. 1012—Mec 1

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Tuesday, (Date) OCT 6 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	65	65	65	66	66	66	66	67	68	69	72	74	73	78	78	78	78	76	75	72	64	64	64	64
State of weather: Nature of precipitation and time of beginning and ending																				RB 7:15	RE 8:15 RB 8:35	RE DNP		
Amounts of precipitation																				03	0.11	0.13		
Cloudiness and other conditions							← Cloudy						pt Clay						X Clay	→				
Sunshine (in tenths of hours)						0	0	0	0	0	0.6	0.6	0.1	1.0	1.0	0.4	0.1	0						
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	S	SE	SE	S	S	S	S	S	SE	SE	S	SW	W	W	S	S
Wind movement	6	6	7	9	8	7	7	6	4	5	7	9	9	7	7	7	6	5	5	5	11	7	7	8

Sunrise: Time, 5:43 Character, Cloudy
Moonrise:

Sunset: Time, 5:15 Character, Cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

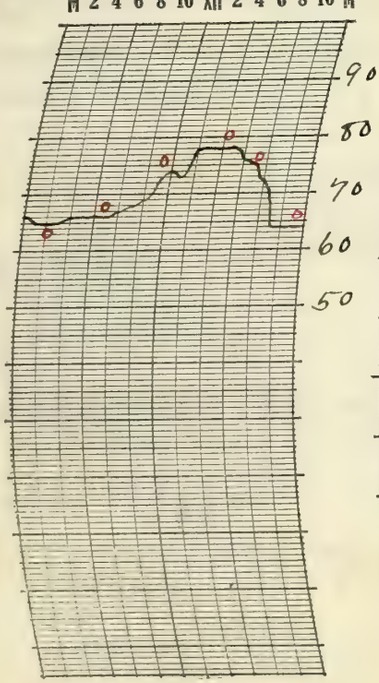
Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
78	64	71	

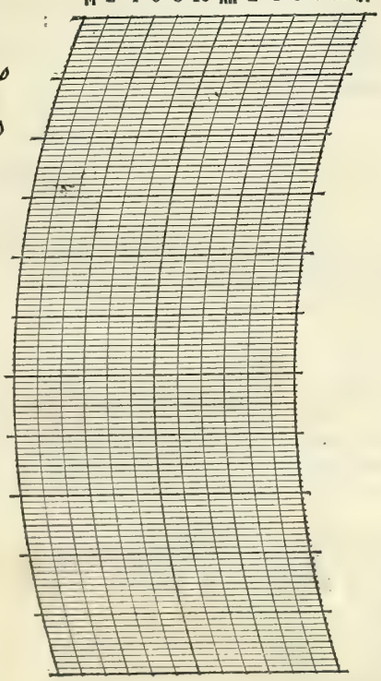
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 02 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0.27 inches.
Character of day, Cloudy, Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 3.8 Possible sunshine, hours, 11.5
Per cent of possible sunshine, 33
Prevailing wind direction, SE SW Total wind, 165
Average hourly velocity, 6.9 Extreme velocity, 19
Maximum velocity, 19 Direction, NW
Time began, 8:43P
Reduced barometer, 30.14 7a.m. 30.05 7p.m.
River gage, -0.2 feet
Relative humidity, 95 7a.m. 72 7p.m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 74.0 Wet temperature, 68.5
Dew-point, 66 R. humidity, 76 V. pressure, .638
Clouds: Amount, 9; Kind, Stcu; Direction, SW
Velocity of clouds (miles per hour)

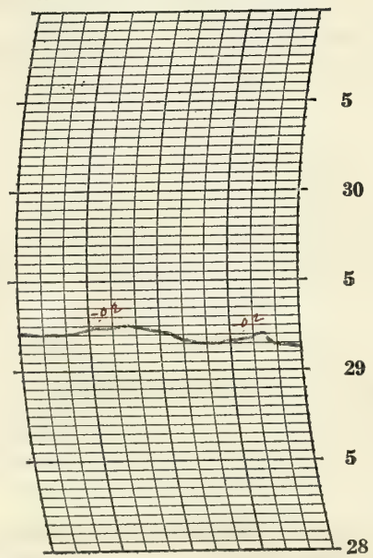
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by R. C. L.

8—486

NOTES

A very moderate thunderstorm began at 5:45 P.M. and ended at 8:15 PM moved from west to east. No damage reported.
7 lying conditions prev to 10:30 A.M.
Light fog 10 MA to 10:30 A.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) OCT 7 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	65	66	67	67	67	68	68	71	73	72	72	72
State of weather: Nature of precipitation and time of beginning and ending				RB DVR	RE DVR		RB 6:00 RE 6:30	RB 7:15 RE 7:35		RB 9:28	RE 10:30	
Amounts of precipitation				.01	.05		0.11	.02		T	.04	
Cloudiness and other conditions							← Cloudy				→	
Sunrise: Time, 5:44 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)						0	0	0	0	0	0	0.8
Wind direction	S	SE	SE	S	S	S	S	S	S	SW	SW	SW
Wind movement	7	7	8	7	8	10	9	11	15	14	10	12
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	74	76	77	77	75	71	69	68	68	67	66	65
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Pt Cldy		X		Cloudy					7		
Sunset: Time, 5:14 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0.2	0.9	1.0	0.7	0	0						
Wind direction	SW	SW	SW	SW	SW	W	W	W	NW	NW	NW	NW
Wind movement	12	10	13	11	7	10	9	6	7	7	8	8
Maximum velocities (exceeding 24 miles) direction and time												

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
78	64	71	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.44 ins.; to 7 p. m., 06 ins.
Total precipitation, midnight to midnight, 0.23 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 3.6 Possible sunshine, hours, 11.5
Per cent of possible sunshine, 31
Prevailing wind direction, SW Total wind, 226
Average hourly velocity, 9.4 Extreme velocity, 19
Maximum velocity, 18 Direction, SW
Time began, 9:31 A
Reduced barometer, 30.00 a. m. 30.06 p. m.
River gage, +0.7 feet
Relative humidity, 93 a. m. 88 p. m.

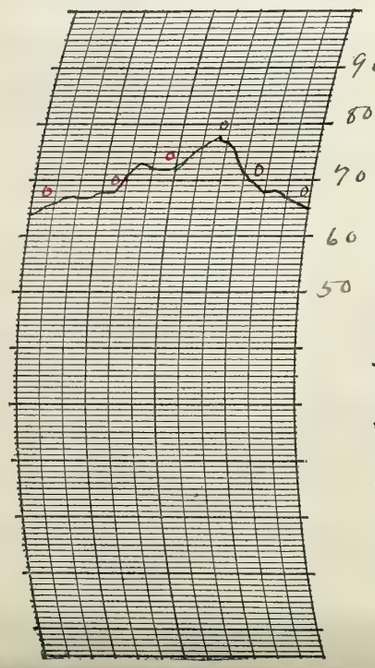
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 72.5 Wet temperature, 64.5
Dew-point, 60 R. humidity, 65 V. pressure, .517
Clouds: Amount, 9; Kind, Cu St Cu St; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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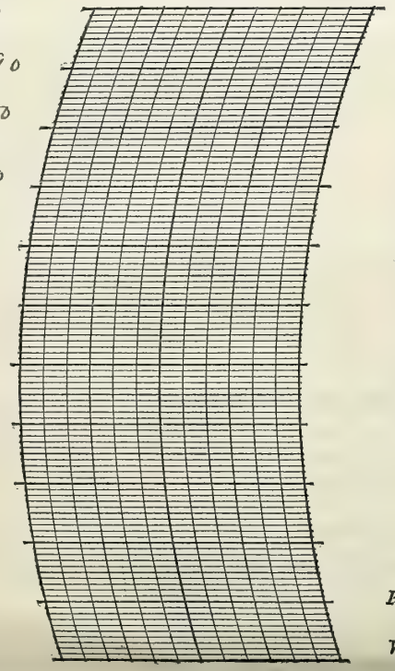
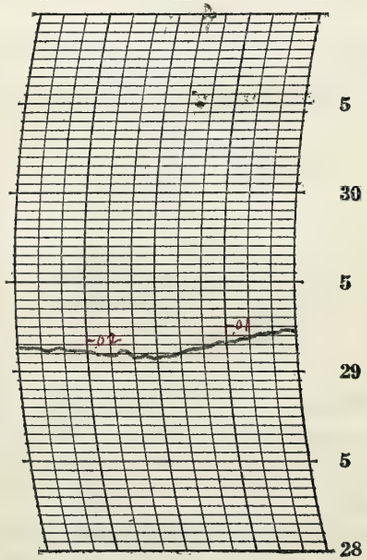


BAROGRAPH.



Prepared by L. C. S.

Verified by RCL

8—486

NOTES

Two moderate thunderstorms occurred during the day. The first began at 7:50 AM and ended at 10:30 AM. The second began at 11:00 PM and continued into the next day. No damage reported. Day suitable for flying.

Form No. 1014—Met-1

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) OCT 8 15, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	61	60	58	58	56	56	56	56	57	58	58
State of weather: Nature of precipitation and time of beginning and ending	RB 12:15	RE 1:20		RB DNA RE DNA								
Amounts of precipitation	0.43	.06		0.5								
Cloudiness and other conditions							← Cloudy					
Sunshine (in tenths of hours)						0	0	0	0	0.3	0.4	0.3
Wind direction	NW	N	NW	N	N	N	N	N	N	N	N	N
Wind movement	7	7	7	10	11	12	9	12	13	13	11	12

Sunrise: Time, 5:45 Character, Cloudy

Moonrise:

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	60	61	60	59	57	56	53	52	52	51	50
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Partly	x		Cloudy						
Sunshine (in tenths of hours)	0.7	1.0	0.8	0.3	0	0						
Wind direction	N	N	N	N	N	N	NE	NE	NE	NE	NE	NE
Wind movement	12	10	10	9	8	7	8	6	7	6	6	4

Sunset: Time, 5:12 Character, Cloudy

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
~~12:15A~~	~~1:20A~~	~~.049~~	none																

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
65	50	58	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0.54 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0.54 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 8

Actual sunshine, hours, 3.8 Possible sunshine, hours, 11.4

Per cent of possible sunshine, 33

Prevailing wind direction, N Total wind, 217

Average hourly velocity, 9.0 Extreme velocity, 17

Maximum velocity, 17 Direction, NE

Time began, 8:03 A

Reduced barometer, 30.24 7 a. m. 30.28 7 p. m.

River gage, +1.7 feet

Relative humidity, 79 7 a. m. 69 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

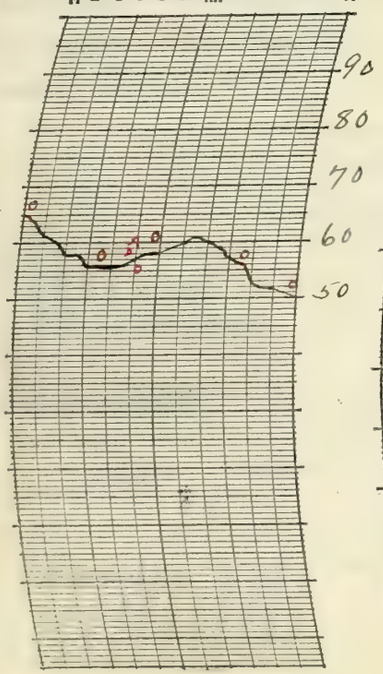
Dry temperature, 58.0 Wet temperature, 51.5

Dew-point, 46 R. humidity, 64 V. pressure, .310

Clouds: Amount, 9; Kind, Strat.; Direction, NE

Velocity of clouds (miles per hour)

THERMOGRAPH



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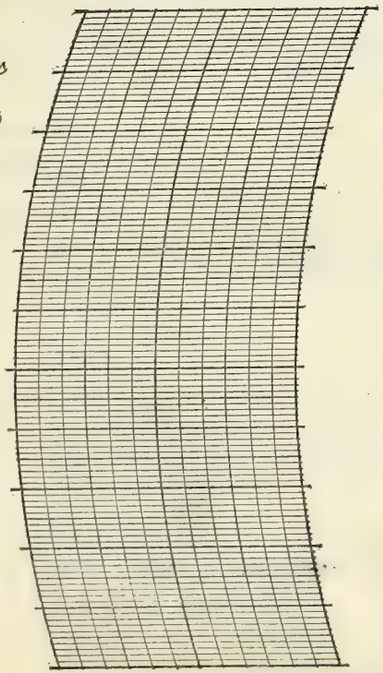
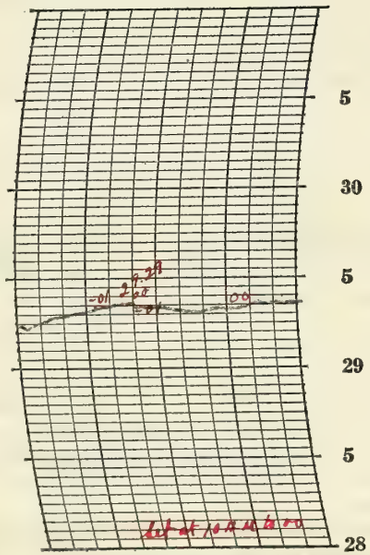


BAROGRAPH.



Prepared by T. C. S.

Verified by RCL

8—486

NOTES

moderate thundershower continued from day before. A cool cloudy day, flying conditions good

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) OCT 9 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	50	49	48	47	46	46	46	48	50	53	54	57	59	61	61	60	59	58	57	55	54	53	52	52
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Clear		x Clay		x Pt Clay		x	← Clear								→			
Sunrise: Time, 5:46 Character, Cloudy																					Sunset: Time, 5:10 Character, Clear			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)						0	0	0.4	0	0.9	0.4	0.9	1.0	1.0	1.0	1.0	0.8 0.2	.16 0						
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	NE	NE	E	SE	S	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	3	3	3	3	4	5	5	6	6	5	6	5	5	5	4	4	5	4	4	5	6	6	7	7
Maximum velocities (exceeding 24 miles) direction and time																								

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
62	46	54	

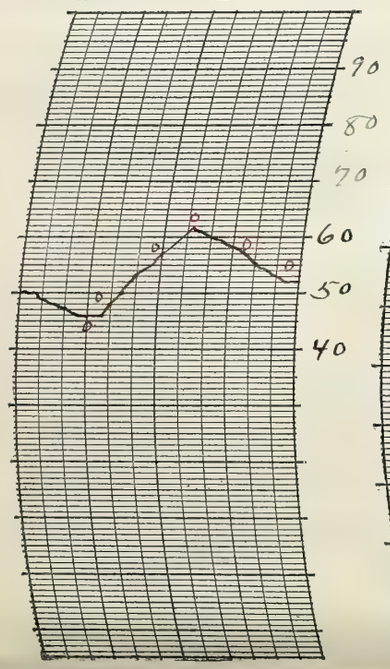
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 7.8 Possible sunshine, hours, 11.4
Per cent of possible sunshine, 68
Prevailing wind direction, NE Total wind, 116
Average hourly velocity, 4.8 Extreme velocity, 8
Maximum velocity, 8 Direction, SE
Time began, 10:48 P
Reduced barometer, 30.34 7 a. m. 30.26 7 p. m.
River gage, +1.5 feet
Relative humidity, 89 7 a. m. 63 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

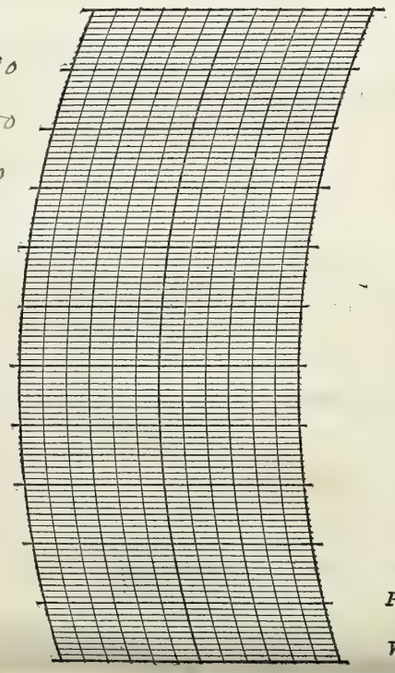
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 57.0 Wet temperature, 49.5
Dew-point, 43 R. humidity, 59 V. pressure, .277
Clouds: Amount, 2; Kind, Cu; Direction, SE
Velocity of clouds (miles per hour)

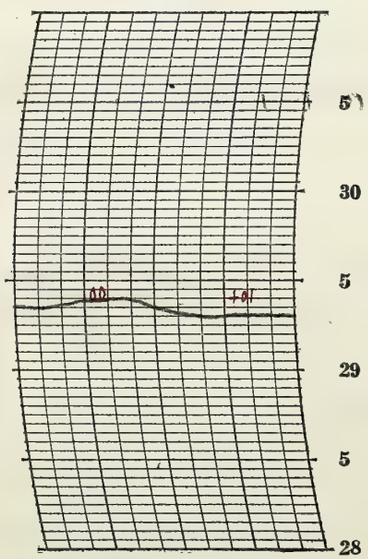
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by R. C. S.

Verified by RCL

8—486

NOTES

A clear day. Fine lying conditions excellent. Heavy dew in morning.

FORM NO. 1014—M66'1

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

OCT 10 1931

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) _____, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	51	50	49	48	47	46	48	52	56	60	63	65
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Clear	← Cloudy				
Sunshine (in tenths of hours)						22 0	1.0 0	0.1 0.5	1.0	1.0	0.8	0.9
Wind direction	SE	SE	SE	SE	SE	SE	SE	SE	S	S	S	S
Wind movement	6	7	3	3	4	3	5	7	9	11	10	11

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	66	66	65	65	63	63	62	62	63	64	63
Nature of precipitation and time of beginning and ending				RB 3:05 RE 3:50								
Amounts of precipitation				T								
Cloudiness and other conditions							← Clear					
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	S	S	S	SE	SE	SE	E	SE	SE	S	S	S
Wind movement	11	10	10	9	6	6	7	9	12	9	8	9

State of weather.

Sunrise: Time, 5:47 Character, Clear

Moonrise:

Sunset: Time, 5:09 Character, Cloudy

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
66	46	56	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase, _____

Average daily cloudiness (0-10), 8

Actual sunshine, hours, 5.5 Possible sunshine, hours, 11.4

Per cent of possible sunshine, 48

Prevailing wind direction, SE Total wind, 185

Average hourly velocity, 7.7 Extreme velocity, 14

Maximum velocity, 14 Direction, NW

Time began, 2:48 A

Reduced barometer, 30.26 7 a. m. 30.06 7 p. m.

River gage, +1.4 feet

Relative humidity, 82 7 a. m. 64 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

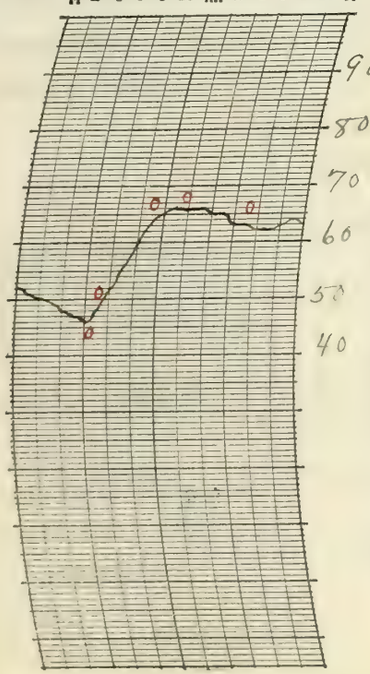
Dry temperature, 65.4 Wet temperature, 55.3

Dew-point, 47 R. humidity, 52 V. pressure, 322

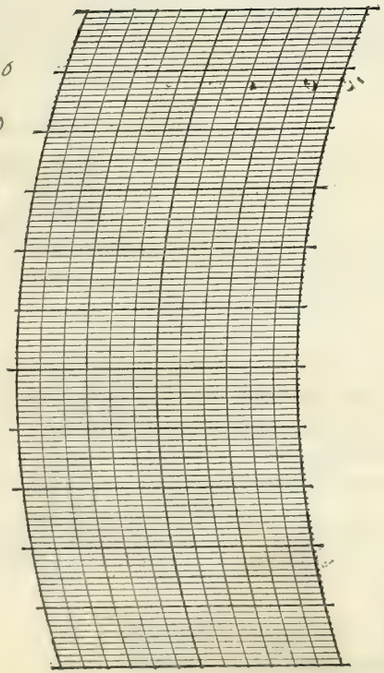
Clouds: Amount, 10; Kind, St; Direction, SW

Velocity of clouds (miles per hour)

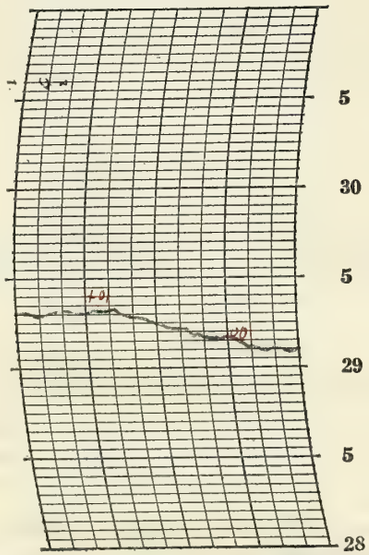
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by R.E.S.

Verified by R.G.L.

8—486

NOTES

Light fog began 2 AM and ended at 6:40 A. Flying conditions good after 6:40 A

Heavy dew in morning

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) OCT 11 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	62	60	58	59	60	61	62	65	61	63	62	60	60	59	58	56	54	52	50	49	47	46	45
State of weather: Nature of precipitation and time of beginning and ending			RB 10 NH									RE 11:20												
Amounts of precipitation			02	012	0.15	03	06	06	T	03	01	T												
Cloudiness and other conditions												Cloudy							Clear					
Sunrise: Time, Character, 5:48 Cloudy																					Sunset: Time, Character, 5:07 Cloudy			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)						0	0	0	0	0	0	0	0	0	0	0	0	0						
Wind direction	S	S	NW	NW	S	SW	SW	SW	SW	SW	NW	NW	NW	NW	N	N	N	N	N	N	N	N	N	N
Wind movement	9	7	8	5	12	11	11	9	8	11	14	14	18	16	15	14	12	12	9	10	9	8	9	8
Maximum velocities (exceeding 24 miles) direction and time																								

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
65	45	55	

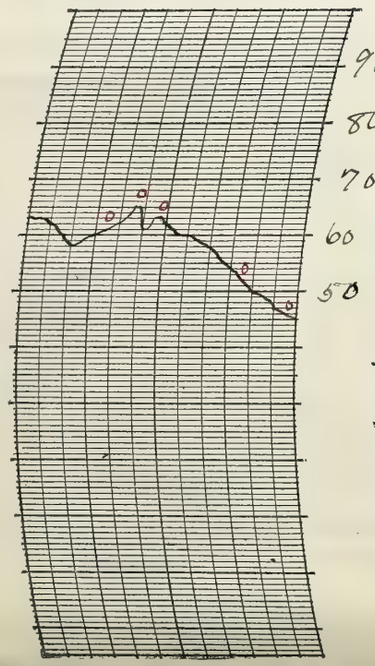
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m. 0.38 ins.; to 7 p. m., 0.10 ins.
Total precipitation, midnight to midnight, 0.48 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0 Possible sunshine, hours, 11.3
Per cent of possible sunshine, 0
Prevailing wind direction, N Total wind, 259
Average hourly velocity, 10.8 Extreme velocity, 24
Maximum velocity, 24 Direction, NW
Time began, 12:54P
Reduced barometer, 30.02 a. m. 30.42 p. m.
River gage, +1.4 feet
Relative humidity, 97 a. m. 78 p. m.

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

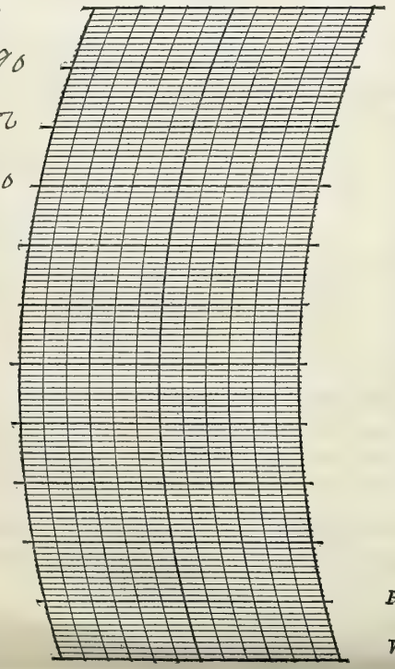
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 61.8 Wet temperature, 59.0
Dew-point, 57 R. humidity, 85 V. pressure, .465
Clouds: Amount, 10; Kind, StCu; Direction, NW
Velocity of clouds (miles per hour)

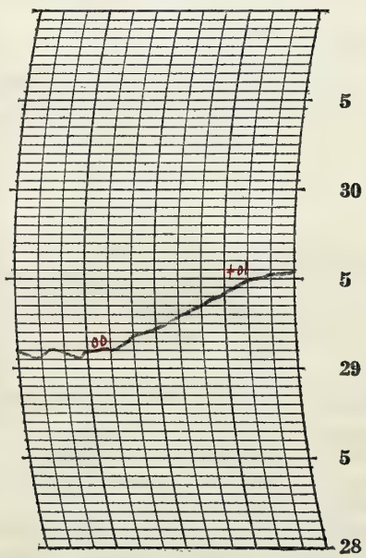
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by G. E. L.

S—486

NOTES

a Cloudy cool day. Flying conditions poor until noon.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
DAILY LOCAL RECORD.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

OCT 12 1931

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) , 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	44	43	42	42	41	42	42	47	50	52	53	54	56	56	55	54	53	51	50	49	48	48	48	48
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions								Cloudy																
Sunshine (in tenths of hours)						0	0	0	0.2	0.6	1.0	0.9	0.6	0.6	0	0	0	0						
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Wind movement	8	7	6	7	7	8	8	11	11	13	13	13	11	10	11	12	8	9	9	7	9	9	11	8
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 5:49 Character, Cloudy

Moonrise:

Sunset: Time, 5:06 Character, Cloudy

Moonset:

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
56	41	48	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy. Moon phase,

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 3.9 Possible sunshine, hours, 11.3

Per cent of possible sunshine, 35

Prevailing wind direction, E Total wind, 226

Average hourly velocity, 9.4 Extreme velocity, 17

Maximum velocity, 17 Direction, NE

Time began, 9:38A

Reduced barometer, 30.58 7a. m. 30.46 7p. m

River gage, +1.2 feet

Relative humidity, 84 7a. m. 74 7p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

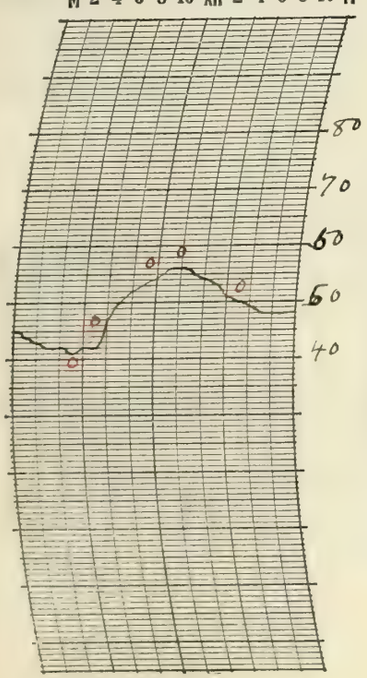
Dry temperature, 54.1 Wet temperature, 48.0

Dew-point, 42 R. humidity, 64 V. pressure, .266

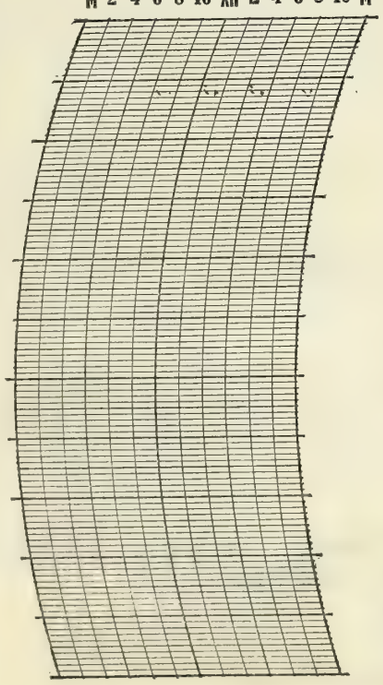
Clouds: Amount, 10; Kind, a-st; Direction, SW

Velocity of clouds (miles per hour)

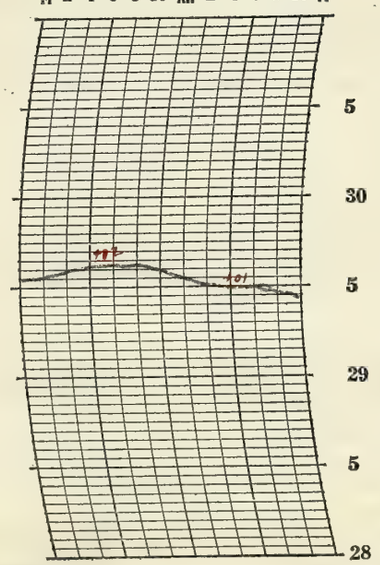
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S

Verified by R.E.L

8—486

NOTES

a Cloudy, cool day: F lying conditions good

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) OCT 13 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	48	47	47	47	46	46	47	48	50	52	52	52	50	51	52	53	54	56	56	56	57	57	58	58
State of weather: Nature of precipitation and time of beginning and ending							RB 6:15	RE 7:05			RB 10:35 RE 10:40	RB 11:00				RE 3:30			RB 6:30					Rlt
Amounts of precipitation							T	T			T	.01	.08	.02	.09	T			.02	.04	.09	.02	T	T
Cloudiness and other conditions							← Cloudy →																	
Sunrise: Time, Character, 5:51 Cloudy																					Sunset: Time, Character, 5:04 Cloudy			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)						0	0	0	0	0	0	0	0	0	0	0	0	0						
Wind direction	E	E	E	E	E	SE	SE	E	E	E	E	S	E	E	E	SE	SE	SE	SE	S	S	SW	SW	SW
Wind movement	7	9	6	6	6	5	4	6	6	6	5	3	7	8	9	7	8	5	4	4	5	3	5	3
Maximum velocities (exceeding 24 miles) direction and time																								

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
58	46	52	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0.21 ins.
Total precipitation, midnight to midnight, 0.37 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 11.2
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind, 137
Average hourly velocity, 5.7 Extreme velocity, 12
Maximum velocity, 12 Direction, E
Time began, 3:03 P
Reduced barometer, 30.27 a. m. 30.04 p. m.
River gage, +1.2 feet
Relative humidity, 85 a. m. 93 p. m.

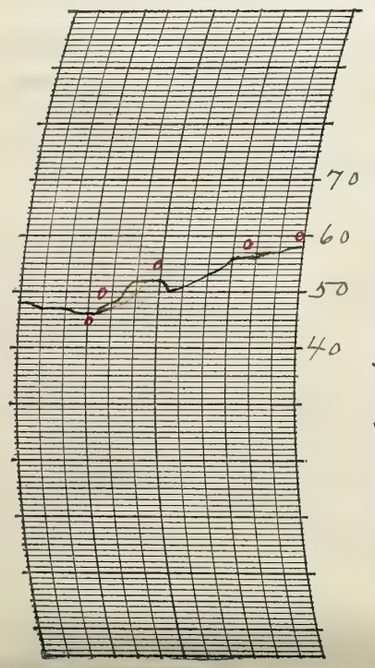
Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 52.0 Wet temperature, 48.9
Dew-point, 46 R. humidity, 80 V. pressure, .310
Clouds: Amount, 10; Kind, St; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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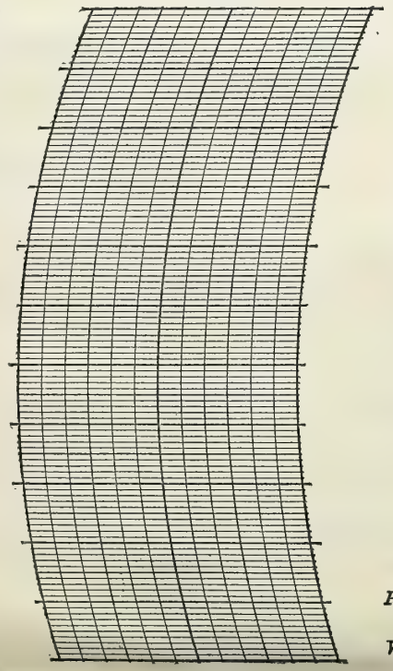
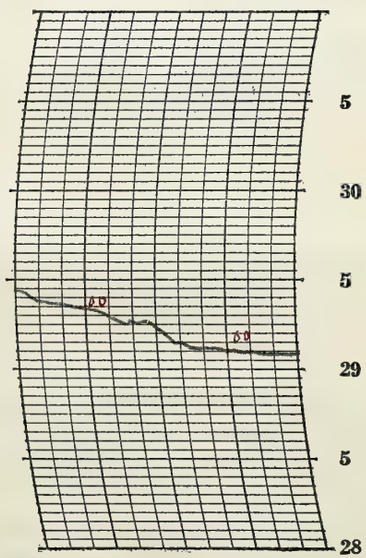


BAROGRAPH.



Prepared by L.C.S.

Verified by P.E.L.

NOTES

Light Fog began at 3:00 PM and continued into next day. Low ceilings and poor visibility entire day.
7 our ships were stranded at local airport due to poor flying conditions and forced to stay over night.
Mail plane was unable to leave for South Bend.

8—486

FORM NO. 1014—Mc6'1

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Wednesday, (Date) OCT 14 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	58	58	58	59	59	59	59	60	61	66	66	67
							RE 6:30	RB 7:20		RE 9:15		
State of weather: Nature of precipitation and time of beginning and ending	Rain											
Amounts of precipitation	T	T	T	T	T	T	0.2	0.1	0.11	.01		
Cloudiness and other conditions							← Cloudy					
Sunrise: Time, 5:52 Character, Foggy												
Moonrise:												
Sunshine (in tenths of hours)						0	0	0	0	0	0.6	0.2
Wind direction	SW	SW	SW	SW	SW	SE	S	S	S	S	SW	SW
Wind movement	4	6	5	4	3	3	1	1	1	4	8	8

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	68	66	62	61	60	58	56	56	56	55	54
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Pt Cdy →						x Cloudy →					
Sunset: Time, 5:02 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0.3	0.7	0.3	0.1	0	0						
Wind direction	SW	SW	SW	W	W	W	W	W	W	W	NW	W
Wind movement	10	8	9	14	11	8	7	5	6	5	4	4

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

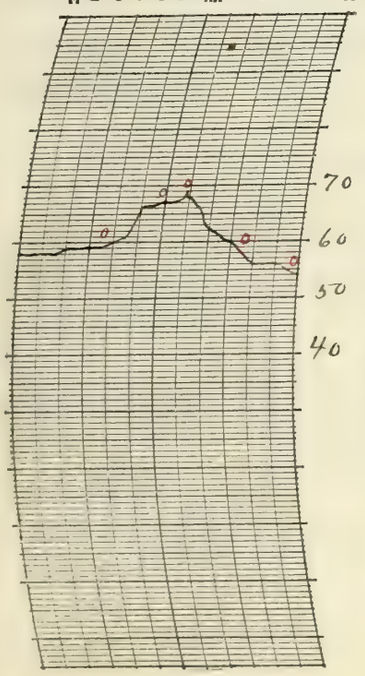
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
69	54	62	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.18 ins.; to 7 p. m., 0.13 ins.
Total precipitation, midnight to midnight, 0.15 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 2.2 Possible sunshine, hours, 11.2
Per cent of possible sunshine, 20
Prevailing wind direction, SW Total wind, 139
Average hourly velocity, 5.8 Extreme velocity, 22
Maximum velocity, 20 Direction, W
Time began, 3:39 P
Reduced barometer, 29.97 7a. m. 29.97 7p. m
River gage, +1.2 feet
Relative humidity, 99 7a. m. 89 7p. m.

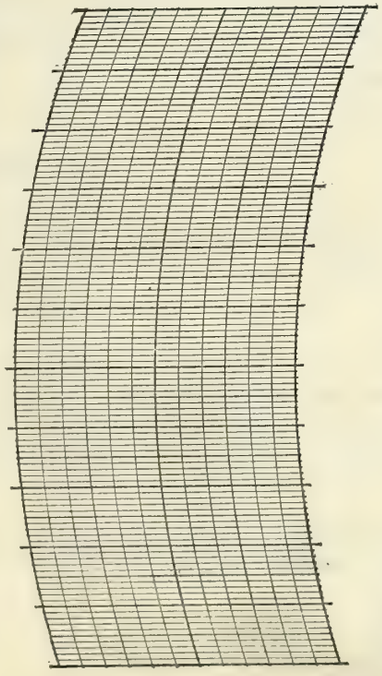
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 66.8 Wet temperature, 63.1
Dew-point, 61 R. humidity, 82 V. pressure, 536
Clouds: Amount, 10; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

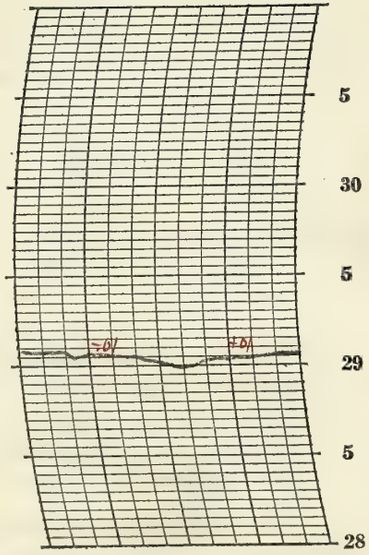
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.J

Verified by R.E.L

8—486

NOTES

The dense fog was bad from the very morning until 10:00 A.M. Visibility was poor for driving.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

OCT 15 1907

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) , 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	55	54	54	54	54	54	54	56	56	56	58	59
State of weather: Nature of precipitation and time of beginning and ending											RB 10:05 RE 10:10	
Amounts of precipitation											T	
Cloudiness and other conditions											Cloudy	
Sunrise: Time, 5:53 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)						0	0	0	0	0	0.1	0.1
Wind direction	SW	SW	SW	SW	SW	SW	SW	W	SW	SW	W	SW
Wind movement	3	3	4	3	3	3	3	3	4	4	5	7

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	58	59	58	57	56	54	52	51	50	49	48
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy					Cloudy		Clear				
Sunset: Time, 5:01 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0	0	0.2	0	0	0						
Wind direction	SW	W	W	W	W	W	W	W	W	SW	SW	SW
Wind movement	8	11	9	10	7	6	4	6	4	5	6	5

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

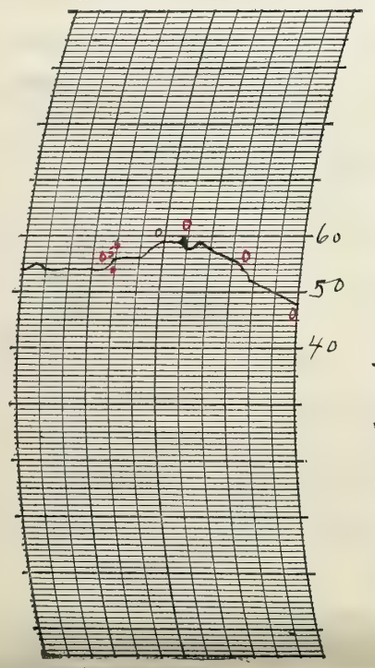
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
60	48	54	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.4 Possible sunshine, hours, 11.1
Per cent of possible sunshine, 4
Prevailing wind direction, SW Total wind, 126
Average hourly velocity, 5.2 Extreme velocity, 14
Maximum velocity, 14 Direction, NW
Time began, 1:33 P
Reduced barometer, 30.00 7 a. m. 29.97 7 p. m.
River gage, -0.2 feet
Relative humidity, 97 7 a. m. 78 7 p. m.

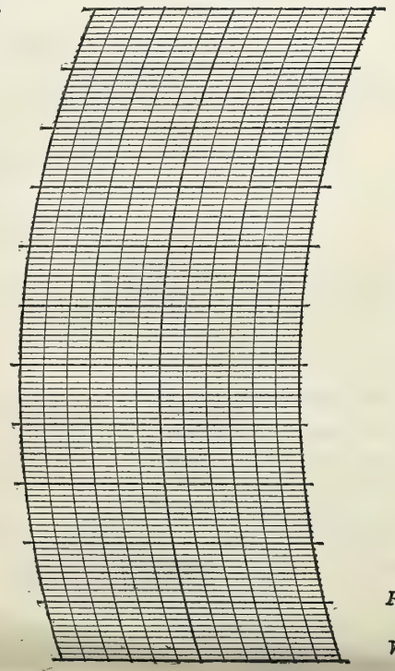
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 59.4 Wet temperature, 54.9
Dew-point, 51 R. humidity, 75 V. pressure, .373
Clouds: Amount, 9; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

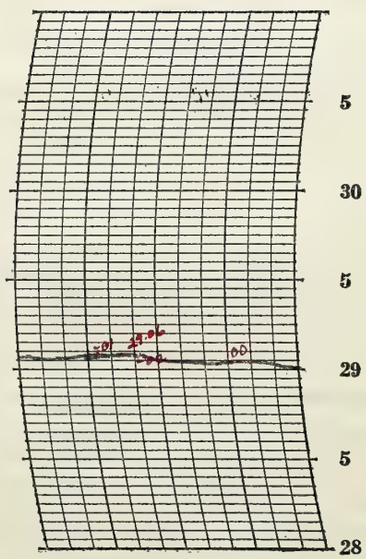
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by R.E.L.

8—486

NOTES

a Cloudy cool day 7 lying conditions poor until 9:40 AM due to light fog which began 8 AM and ended at 9:40 A

FORM NO. 1012—M86 1

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) OCT 16 1931, 193

Time (local standard) 5 00 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	49	50	49	48	47	48	48	52	52	53	54	58	60	58	57	54	51	49	48	46	46	45	44	43
State of weather: Nature of precipitation and time of beginning and ending															RS 1:40 RE 3:00			RB 5:00 RE 5:15						
Amounts of precipitation															T			T						
Cloudiness and other conditions							← Clear	× Pt Cldy		× Cloudy		× Pt Cldy	Pt Cldy						× Clear		→			
Sunshine (in tenths of hours)						0	0	0.3	0.1	0	0.2	0.4	0.6	0.4	0.1	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W	W	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	5	5	5	6	6	7	8	9	11	14	13	16	17	20	20	20	20	14	14	9	12	14	13	10
Maximum velocities (exceeding 24 miles) direction and time																	28 NW 4:52		26 W 6:09					

Sunrise: Time, 5:54 Character, Cloudy
Moonrise:

Sunset: Time, 4:59 Character, Cloudy
Moonset:

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

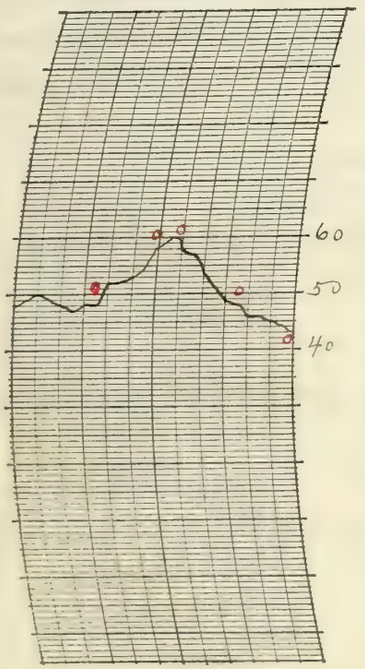
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
60	43	52	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 2.1 Possible sunshine, hours, 11.1
Per cent of possible sunshine, 19
Prevailing wind direction, NW Total wind, 288
Average hourly velocity, 12.0 Extreme velocity, 31
Maximum velocity, 28 Direction, NW
Time began, 4:52 P
Reduced barometer, 29.84 7a. m. 29.82 7p. m.
River gage, +0.7 Feet
Relative humidity, 94 7a. m. 72 7p. m.

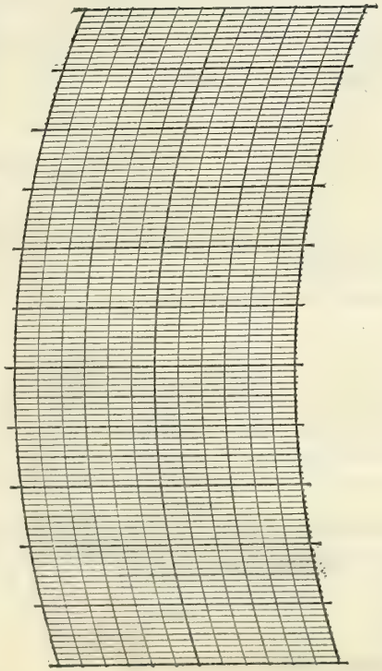
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 57.8 Wet temperature, 51.3
Dew-point, 46 R. humidity, 64 V. pressure, 310
Clouds: Amount, 4; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

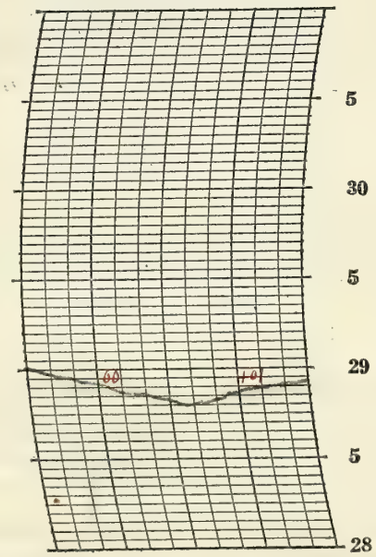
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by R.E.L.

8—486

NOTES

a part cloudy Cool, day. Heavy dew in morning
Winds were quite fresh all afternoon reaching a maximum of 28 miles at 4:52 PM

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) OCT 17 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	42	41	41	40	40	39	40	43	45	46	48	49	51	54	52	51	48	46	45	43	42	40	39	38
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Clear						× Hazy			× Clear						→		
Sunshine (in tenths of hours)						.08 0	1.0 0	0.2 0.8	1.0	1.0	1.0	1.0	0.9	0.8	1.0	0.2 0.4	.97 0							
Wind direction	NW	W	NW	NW	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	W	W	NW	NW	NW	NW	NW
Wind movement	8	8	8	9	7	9	9	12	16	15	15	15	17	17	15	15	14	10	10	9	10	7	7	4

Sunrise: Time, 5:55 Character, Clear
Moonrise:
Sunset: Time, 4:58 Character, Clear
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

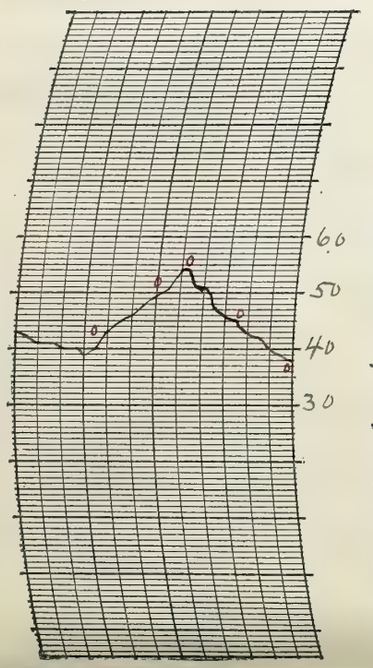
Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
54	38	46	

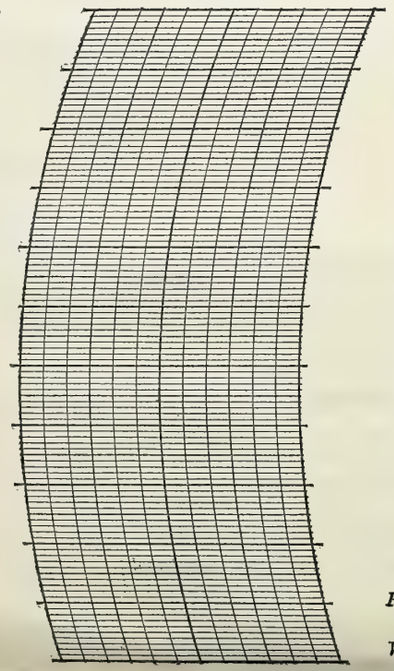
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 10.4 Possible sunshine, hours, 11.0
Per cent of possible sunshine, 95
Prevailing wind direction, NW Total wind, 266
Average hourly velocity, 11.1 Extreme velocity, 22
Maximum velocity, 21 Direction, NW
Time began, 1:44 P
Reduced barometer, 29.94 a. m. 30.07 p. m.
River gage, +1.2 feet
Relative humidity, 72 a. m. 68 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 49.1 Wet temperature, 43.7
Dew-point, 38 R. humidity, 65 V. pressure, .228
Clouds: Amount, 2; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

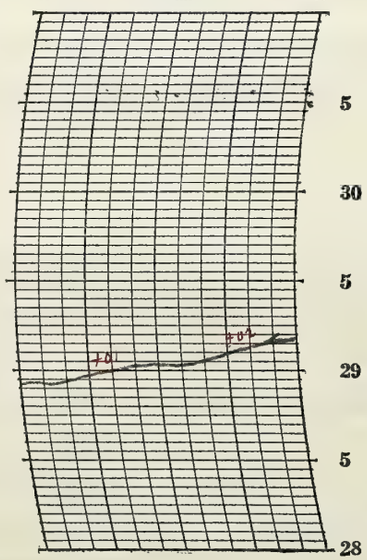
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by R. E. L.

8—426

NOTES

Light frost occurred in the early morning. Frost warning received issued, and showed to special list at 9.7 M.

Frost warning was released by radio station telephone exchange and newspapers.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) OCT 18 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	37	36	36	35	35	34	35	41	46	49	52	53
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Clear →					
Sunshine (in tenths of hours)						0.7 0	1.0 0	0.4 0.6	1.0	1.0	1.0	1.0
Wind direction	NW	NW	NW	W	W	W	W	SW	SW	SW	SW	SW
Wind movement	4	4	4	2	3	2	3	4	5	7	7	6

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	55	56	57	56	54	52	51	48	47	46	45	43
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	.93 8							
Wind direction	W	W	W	SW	SW	SW	SW	S	S	S	S	S
Wind movement	8	7	8	7	5	4	4	5	6	6	5	6

Sunrise: Time, 5:56 Character, Clear
Moonrise:
Sunset: Time, 4:56 Character, Clear
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

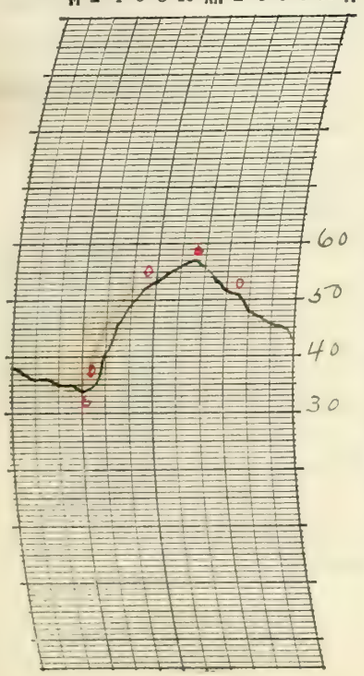
Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
57	34	46	

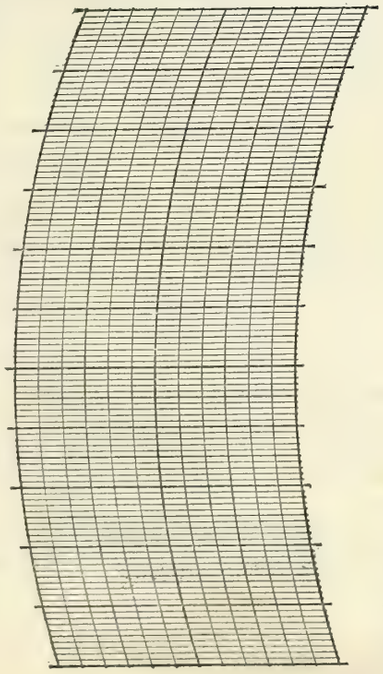
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 11.0 Possible sunshine, hours, 11.0
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind, 122
Average hourly velocity, 5.1 Extreme velocity, 10
Maximum velocity, 10 Direction, W
Time began, 2:10 P
Reduced barometer, 30.27 7 a. m. 30.22 7 p. m
River gage, +0.5 feet
Relative humidity, 85 7 a. m. 56 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)
Dry temperature, 53.1 Wet temperature, 41.7
Dew-point, 26 R. humidity, 35 V. pressure, .136
Clouds: Amount, Few; Kind, Ci; Direction, NW
Velocity of clouds (miles per hour)

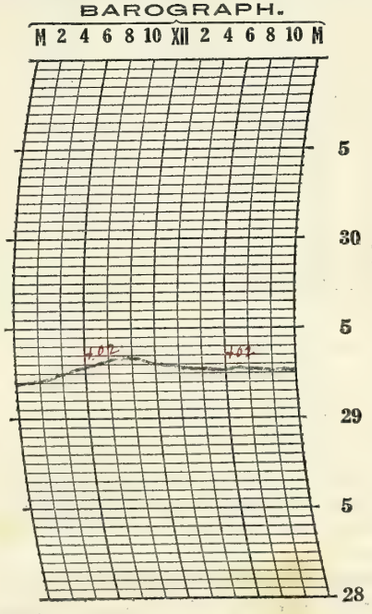
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by R. C. L.

Verified by R. C. L.

8—486

NOTES

Heavy frost that occurred in the early morning was "killing". About 95% of all Vegitation was destroyed. Day clear and very suitable for killing.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) OCT 19 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	42	41	40	40	39	40	46	53	56	58	59
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Clear					
Sunshine (in tenths of hours)						.05 0	1.0 0	0.5 0.5	1.0	1.0	1.0	1.0
Wind direction	S	S	S	S	S	S	S	S	S	SW	SW	S
Wind movement	5	5	5	4	6	6	5	8	7	9	10	9
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	61	62	62	60	58	56	55	53	52	50	48	48
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.8 0.2	.92 0							
Wind direction	S	SW	SW	S	S	S	S	S	S	S	S	SW
Wind movement	10	10	9	9	8	7	8	8	8	7	8	7
Maximum velocities (exceeding 24 miles) direction and time												

Sunrise: Time, 5:57 Character, Clear
Moonrise:
Sunset: Time, 4:55 Character, Clear
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

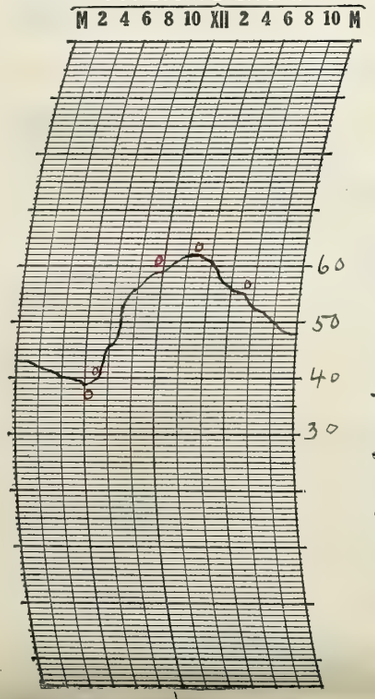
Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
62	39	50	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 11.0 Possible sunshine, hours, 11.0
Per cent of possible sunshine, 100
Prevailing wind direction, S Total wind, 178
Average hourly velocity, 7.4 Extreme velocity, 13
Maximum velocity, 13 Direction, S
Time began, 12:47P
Reduced barometer, 30.27 7 a. m. 30.13 7 p. m.
River gage, +0.7 feet
Relative humidity, 70 7 a. m. 47 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 59.1 Wet temperature, 47.8
Dew-point, 36 R. humidity, 42 V. pressure, .211
Clouds: Amount, 7 cu; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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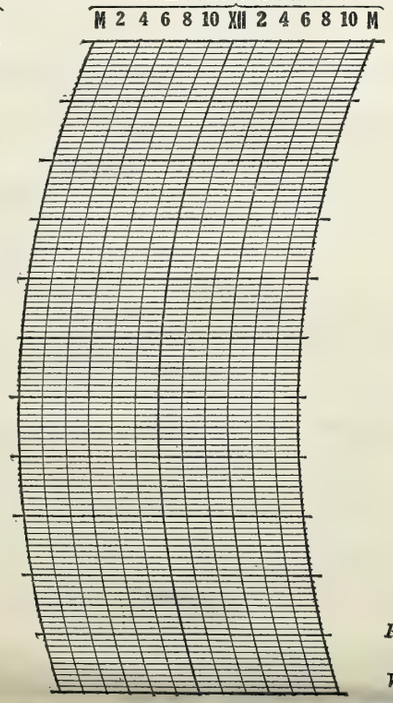
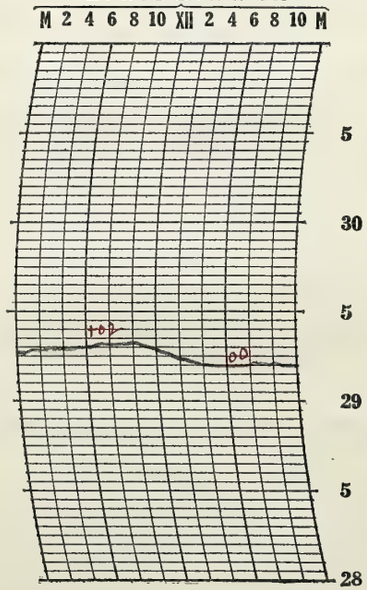


BAROGRAPH.



Prepared by R.C.S.

Verified by RCL

8—486

NOTES

a Clear beautiful day. Light frost in early morning. Day excellent for flying

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

Form No. 1012—M.C.T.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) OCT 20 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	48	47	46	46	46	46	46	54	60	64	68	70	72	73	72	70	68	65	64	61	60	59	57	56
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear																	
Sunshine (in tenths of hours)						.03 0	1.0 0	0.6 0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4 0.6	.88 0							
Wind direction	SW	S	SW	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	W	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	7	7	7	7	8	9	9	9	10	11	11	12	13	13	11	9	6	7	7	7	6	8	3	2
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 5:58 Character, Clear
Moonrise:
Sunset: Time, 4:53 Character, Clear
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

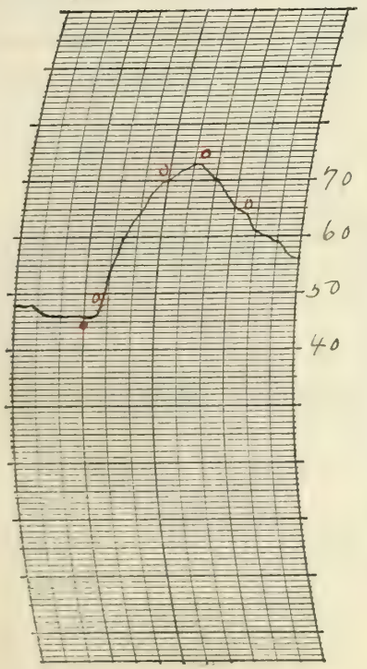
Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
73	46	60	

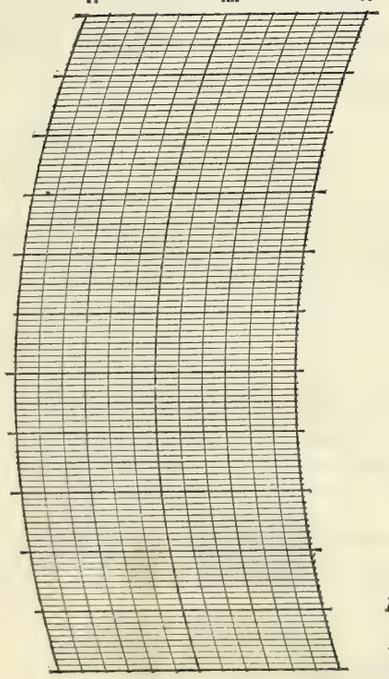
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 10.9 Possible sunshine, hours, 10.9
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind, 199
Average hourly velocity, 8.3 Extreme velocity, 16
Maximum velocity, 15 Direction, SW
Time began, 12:26 P
Reduced barometer, 30.13 7a. m. 30.08 7p. m
River gage, +0.7 feet
Relative humidity, 65 7a. m. 56 7p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 70.0 Wet temperature, 50.6
Dew-point, 29 R. humidity, 21 V. pressure, .157
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

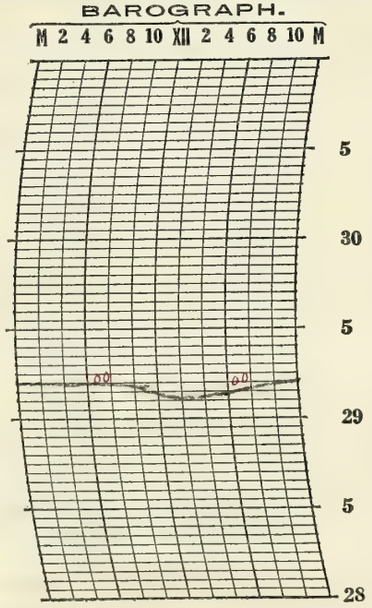
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by R.C.L.

8—486

NOTES

a Clear pleasant day. Flying conditions good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) OCT 21 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	55	52	51	50	51	50	55	61	66	69	71	74	75	75	74	72	70	68	64	60	59	57	57
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←						Clear								→			
Sunrise: Time, 5:59 Character, Cloudy																					Sunset: Time, 4:52 Character, Clear			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)						0	0	0	0	0.8	1.0	1.0	1.0	1.0	1.0	0.5 0.5	0.8 0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S	S	S	S	SW	S	S	S	S	S	SE	SE	SE
Wind movement	1	2	2	1	1	1	1	2	1	2	3	5	5	6	5	5	4	4	4	5	3	2	3	2
Maximum velocities (exceeding 24 miles) direction and time																								

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
75	50	62	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 7.7 Possible sunshine, hours, 10.9
Per cent of possible sunshine, 71
Prevailing wind direction, SW Total wind, 70
Average hourly velocity, 2.9 Extreme velocity, 7
Maximum velocity, 7 Direction, S
Time began, 1:56 P
Reduced barometer, 30.227 a. m. 30.14 p. m.
River gage, +0.9 feet
Relative humidity, 87 a. m. 57 p. m.

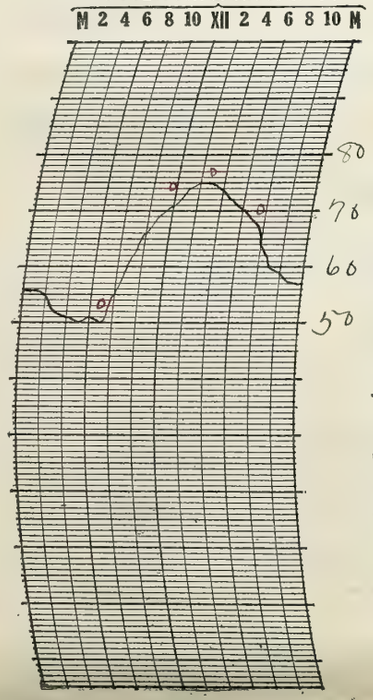
Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 71.0 Wet temperature, 59.8
Dew-point, 53 R. humidity, 52 V. pressure, .402
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

THERMOGRAPH



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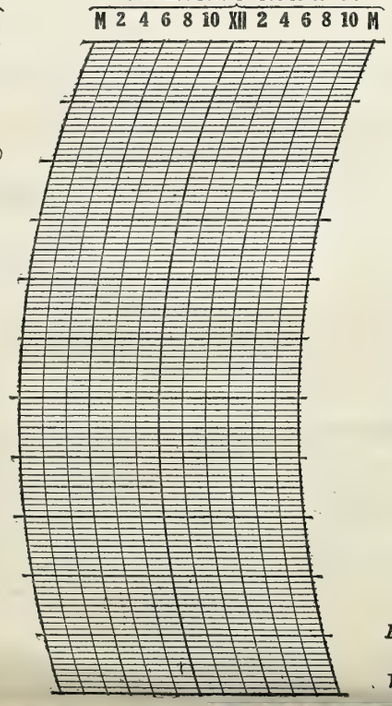
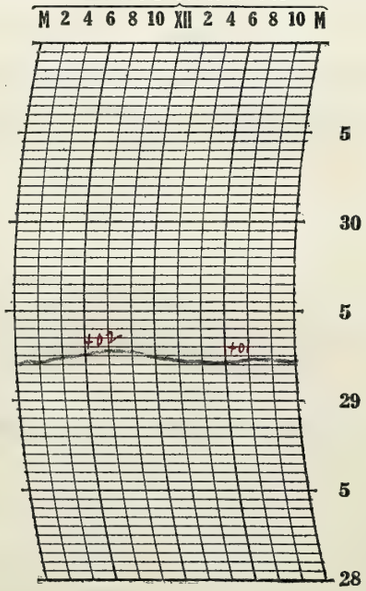


BAROGRAPH.



Prepared by L.C.S.

Verified by ORL

NOTES

7 lying conditions poor until 9:00 AM due to light fog.
Day clear and pleasant

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) OCT 22 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	54	52	51	50	49	48	55	62	68	70	73	72	72	72	71	69	67	66	64	62	61	61	61
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←	Clear				→	Partly						Cloudy			→		
Sunshine (in tenths of hours)							1.0 0	0.8 0.2	1.0	1.0	1.0	1.0	0.8	0.2	0.2	0	0							
Wind direction	SE	S	S	S	S	E	E	E	SE	S	S	S	S	S	SE	SE	SE	SE	SE	SE	SE	SE	S	S
Wind movement	2	4	2	1	2	2	3	3	3	5	7	7	8	9	6	6	8	8	8	7	8	7	8	6

Sunrise: Time, 6:50 Character, Clear
Moonrise:
Sunset: Time, 4:51 Character, Cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

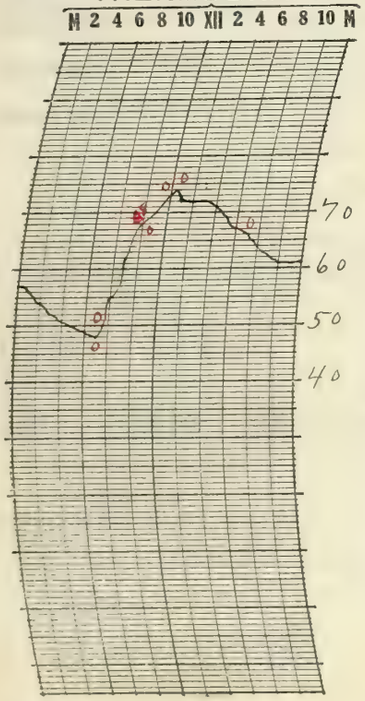
Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
74	48	61	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 7.2 Possible sunshine, hours, 10.8
Per cent of possible sunshine, 67
Prevailing wind direction, S Total wind, 130
Average hourly velocity, 5.4 Extreme velocity, 10
Maximum velocity, 10 Direction, S
Time began, 12:01 P
Reduced barometer, 30.15 7a. m. 30.10 7p. m
River gage, −0.5 feet
Relative humidity, 88 7a. m. 47 7p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 72.8 Wet temperature, 55.8
Dew-point, 42 R. humidity, 33 V. pressure, .266
Clouds: Amount, 3; Kind, Cu; Direction, S
Velocity of clouds (miles per hour)

THERMOGRAPH



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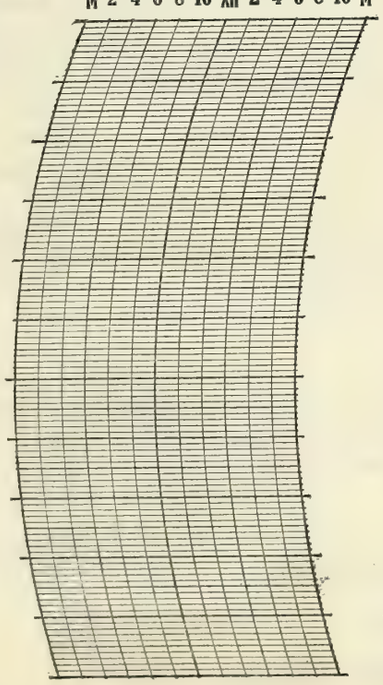
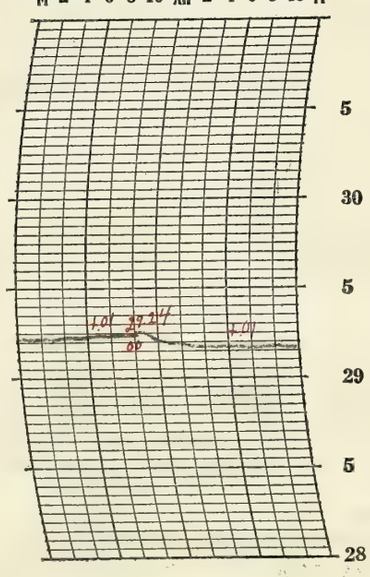


BAROGRAPH.



Prepared by L.C.S.

Verified by R.E.L.

8—486

NOTES

Dense smoke gathered over the city from 7 to 8:00 A.M.
Day clear and pleasant

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) OCT 23 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	58	58	57	57	56	56	57	59	64	69	73	73
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							←				Cloudy	
Sunshine (in tenths of hours)							.97 0	1.0 0	0.1 0.7	1.0	0.9	0.1
Wind direction	S	S	SE	S	S	S	SE	S	S	S	S	S
Wind movement	6	6	7	7	7	8	7	8	7	9	13	10

Sunrise: Time, 6:02 Character, Clear
Moonrise:

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	74	76	76	73	71	69	68	67	66	66	66	65
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions		Pt Cldy				Cloudy			→			
Sunshine (in tenths of hours)	0.8	0.9	1.0	0.3	0							
Wind direction	S	S	S	S	S	S	S	S	S	S	S	S
Wind movement	12	12	12	12	7	8	10	11	11	11	10	9

Sunset: Time, 4:49 Character, Cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

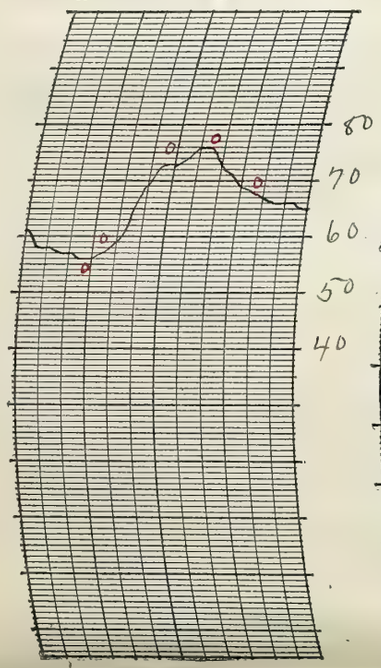
Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
76	56	66	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cldy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 7.8 Possible sunshine, hours, 10.8
Per cent of possible sunshine, 72
Prevailing wind direction, S Total wind, 220
Average hourly velocity, 9.2 Extreme velocity, 18
Maximum velocity, 17 Direction, S
Time began, 12:41 P
Reduced barometer, 30.09 a. m. 29.99 p. m.
River gage, −0.5 feet
Relative humidity, 61 a. m. 57 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)
Dry temperature, 72.8 Wet temperature, 58.3
Dew-point, 48 R. humidity, 41 V. pressure, 3.34
Clouds: Amount, 5/4; Kind, Strat; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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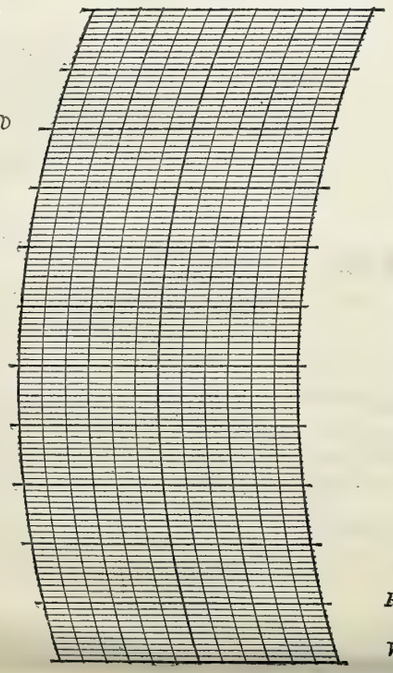

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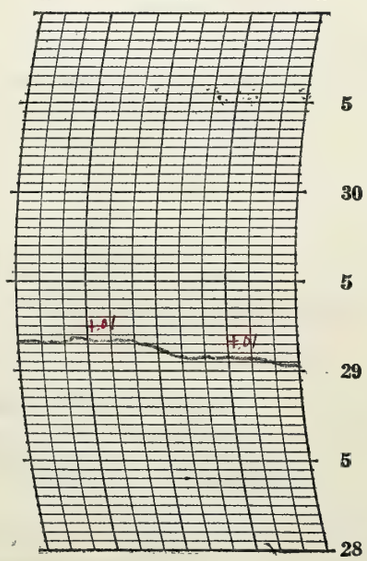


Prepared by L.C.S.

Verified by R.E.L.

S—486

NOTES

a fast cloudy day. Flying conditions good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) OCT 24 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	62	61	60	60	60	60	61	62	63	64	65	66
State of weather: Nature of precipitation and time of beginning and ending	RB DNA				RE DNA							
Amounts of precipitation	.02	.03	.04	.02	T							
Cloudiness and other conditions								← Cloudy				
Sunrise: Time, 6:03 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	S	S	S	S	S	S	S	SW	SW	SW	SW	SW
Wind movement	10	10	12	10	10	9	8	10	10	11	12	13

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	67	68	70	69	67	66	65	62	60	60	60	58
State of weather: Nature of precipitation and time of beginning and ending	RB 12:05 RE 12:20											
Amounts of precipitation	T											
Cloudiness and other conditions					← PC+Cldy				7			
Sunset: Time, 4:48 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0.2	0.1	0.6	0.4	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	NW	W
Wind movement	13	13	15	13	9	8	7	7	8	9	11	8

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
70	58	64	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.11 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 0.11 inches.
Character of day, Cloudy, Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 1.3 Possible sunshine, hours, 10.8
Per cent of possible sunshine, 12
Prevailing wind direction, SW Total wind, 246
Average hourly velocity, 10.2 Extreme velocity, 18
Maximum velocity, 17 Direction, SW
Time began, 2:30 P
Reduced barometer, 29.90 7 a. m. 29.95 7 p. m.
River gage, −0.5 feet
Relative humidity, 93 7 a. m. 71 7 p. m.

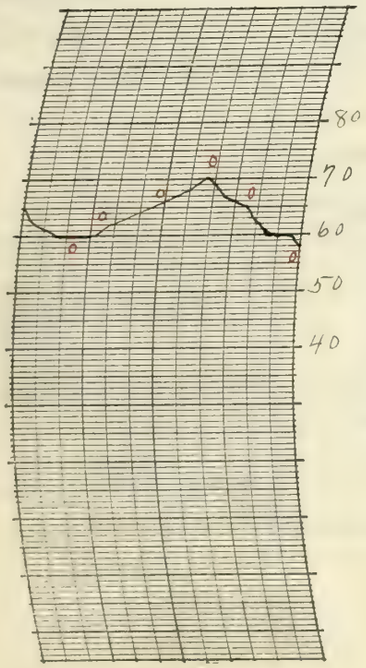
Maximum velocities (exceeding 24 miles) direction and time

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 65.8 Wet temperature, 64.0
Dew-point, 63 R. humidity, 91 V. pressure, .575
Clouds: Amount, 10; Kind, Strat; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH



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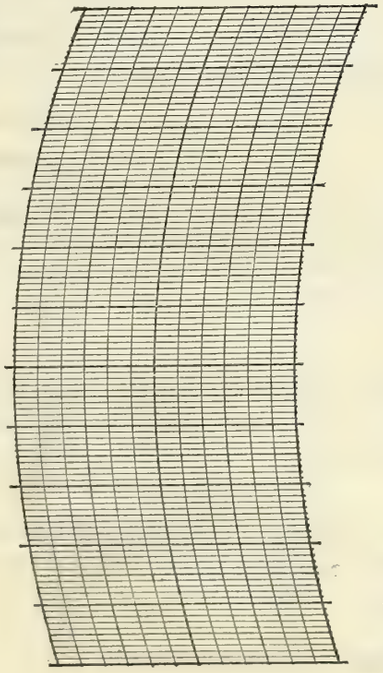
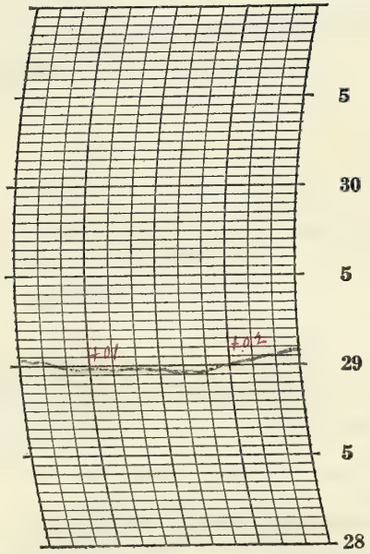


BAROGRAPH.



Prepared by R. C. A.

Verified by R. C. L.

8—486

NOTES

a 20 degree Lunar halos was observed at 7:30 P.M.
Day suitable for flying.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) OCT 25 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	56	54	53	52	49	50	53	56	57	58	58
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							←				Clear	
Sunshine (in tenths of hours)							.93 0	0.4 0.6	1.0	1.0	1.0	1.0
Wind direction	W	W	W	W	W	SW	W	W	W	W	W	W
Wind movement	6	9	9	9	6	8	7	9	13	17	17	19
Maximum velocities (exceeding 24 miles) direction and time												

Sunrise: Time, 6:04 Character, Clear
Moonrise:

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	58	58	57	54	52	50	48	47	46	44	42
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions								→				
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.5 0.5	.77 0							
Wind direction	NW	W	W	NW	W	W	W	NW	NW	NW	SW	SW
Wind movement	19	16	15	14	10	9	7	8	8	5	4	3
Maximum velocities (exceeding 24 miles) direction and time												

Sunset: Time, 4:46 Character, Clear
Moonset:

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
59	42	50	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 10.7 Possible sunshine, hours, 10.7
Per cent of possible sunshine, 100
Prevailing wind direction, W Total wind, 247
Average hourly velocity, 10.3 Extreme velocity, 31
Maximum velocity, 22 Direction, W
Time began, 10:14A
Reduced barometer, 30.11 7 a. m. 30.26 7 p. m.
River gage, −0.15 feet
Relative humidity, 71 7 a. m. 68 7 p. m.

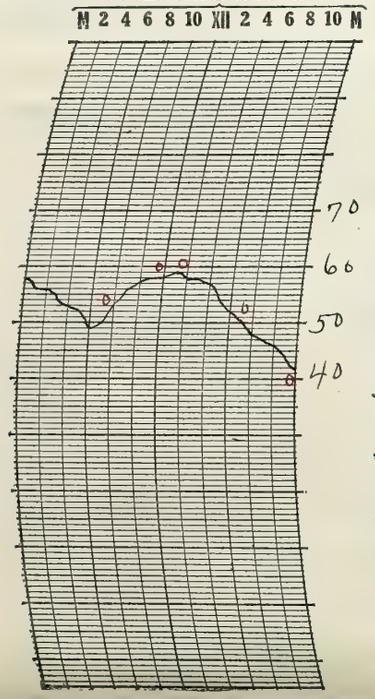
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 58.5 Wet temperature, 50.0
Dew-point, 42 R. humidity, 54 V. pressure, .266
Clouds: Amount, 2; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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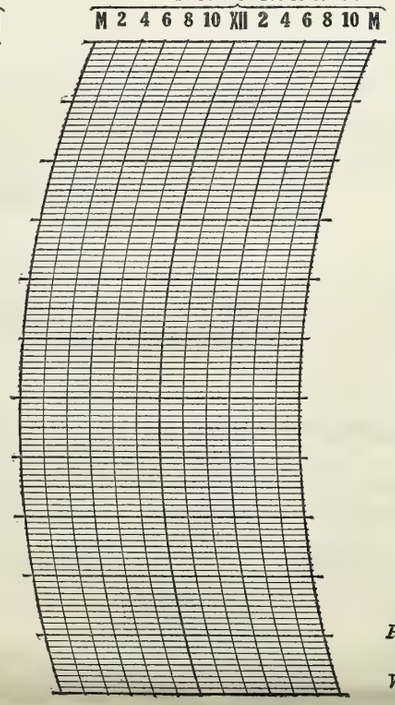
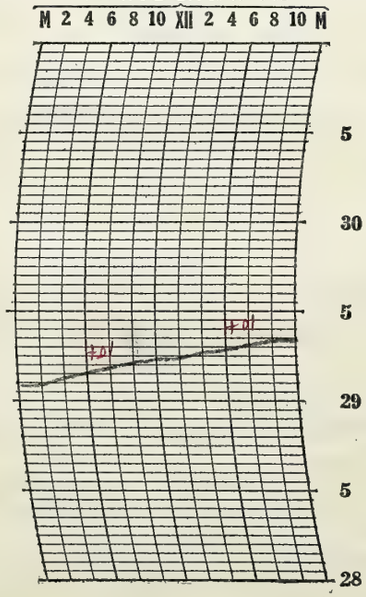


BAROGRAPH.



Prepared by L. C. S.

Verified by RCL

NOTES

Heavy dew in morning. Day clear and suitable for flying. 7 rot warning received at 8:30 AM and released to newspapers and phoned to special list.

A 22 degree Lunar Halo! Observed at 9:00 P.M.

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) OCT 26 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	42	42	39	40	39	40	40	47	52	54	56	59	59	60	60	59	59	58	57	56 RB 7:30	56	55 RE DNP	55	55
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																				T	T	T		
Cloudiness and other conditions							←			Clear			×	Partly	×		Cloudy						→	
Sunshine (in tenths of hours)							.92 0	1.0 0	1.0	1.0	1.0	1.0	1.0	0.9	0.4	0	0							
Wind direction	SW	SW	SW	W	W	W	W	N	E	E	E	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	3	2	5	3	2	2	1	4	6	9	9	7	9	9	10	7	7	7	7	7	9	10	10	9

Sunrise: Time, 6:05 Character, Clear
Moonrise:

Sunset: Time, 4:45 Character, Cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

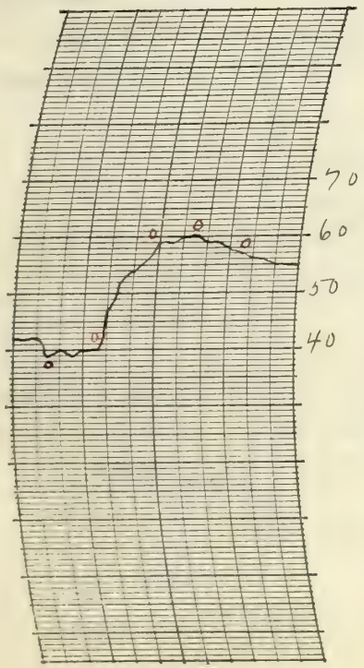
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
60	39	50	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 8.2 Possible sunshine, hours, 10.7
Per cent of possible sunshine, 77
Prevailing wind direction, SE Total wind, 154
Average hourly velocity, 6.4 Extreme velocity, 12
Maximum velocity, 12 Direction, SE
Time began, 2:35 P
Reduced barometer, 30.34 7 a. m. 30.17 7 p. m.
River gage, -0.5 feet
Relative humidity, 92 7 a. m. 46 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 58.7 Wet temperature, 46.2
Dew-point, 32 R. humidity, 36 V. pressure, .180
Clouds: Amount, 7 cu; Kind, ci; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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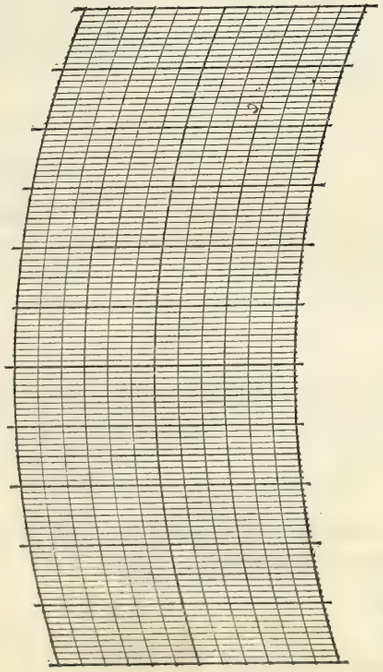
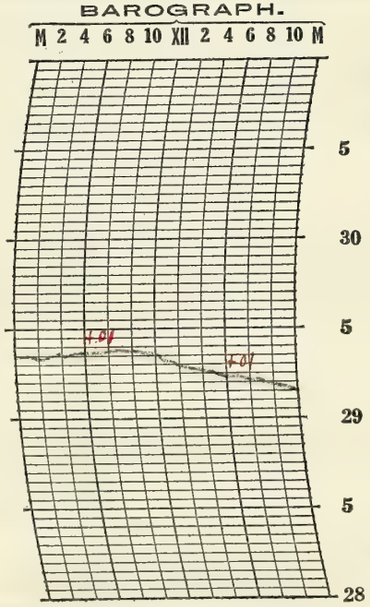


BAROGRAPH.



Prepared by L.C.S.

Verified by R.E.L.

8—486

NOTES

Light frost occurred in the early morning.
Day clear and very suitable for flying.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) OCT 27 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	53	53	52	53	54	54	55	59	62	65	72	69 RB 11:24
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												T
Cloudiness and other conditions							←					
Sunrise: Time, 6:06 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)							0	0	0	0.2	0.5	0.2
Wind direction	SE	SE	SE	SE	SE	SE	S	S	S	S	S	SW
Wind movement	8	9	9	11	12	11	10	14	14	13	15	20
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	63	64	62	58 RE 4:40	57	56	54	53	52	50	49
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation	06	01	T	01	04							
Cloudiness and other conditions			Cloudy							→		
Sunrise:												
Moonrise:												
Sunset: Time, 4:44 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	14	17	18	16	16	11	9	9	8	7	7	8
Maximum velocities (exceeding 24 miles) direction and time												

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
72	49	60	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0.12 ins.
Total precipitation, midnight to midnight, 0.12 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0.9 Possible sunshine, hours, 10.6
Per cent of possible sunshine, 8
Prevailing wind direction, S & SW Total wind, 286
Average hourly velocity, 11.9 Extreme velocity, 25
Maximum velocity, 24 Direction, S
Time began, 11:19 A
Reduced barometer, 29.91 a. m. 29.73 p. m.
River gage, −0.5 feet
Relative humidity, 50 a. m. 81 p. m.

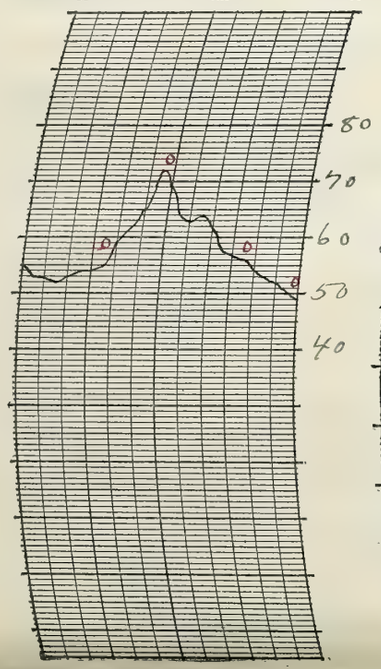
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 68.8 Wet temperature, 58.8
Dew-point, 52 R. humidity, 55 V. pressure, .387
Clouds: Amount, 9; Kind, Strat; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH



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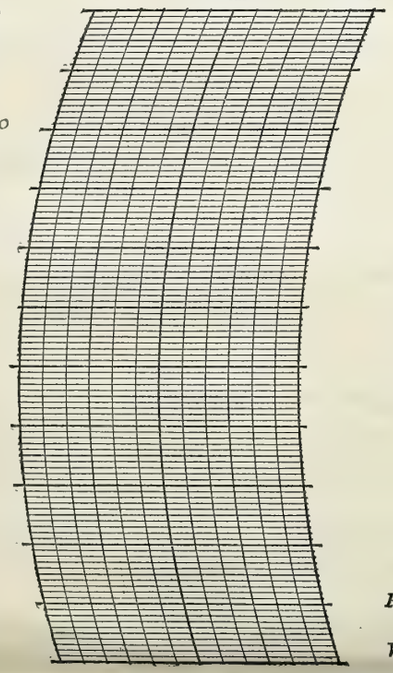
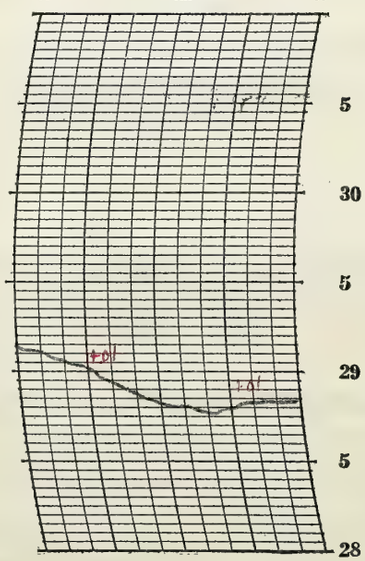


BAROGRAPH.



Prepared by L.C.S.

Verified by RGL

8—486

NOTES

A Cloudy unsettled day. Flying conditions poor from Noon to 5:00 P.M.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) OCT 28 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	48	47	46	46	46	45	44	48	51	54	58	58	59	60	60	60	57	54	52	51	49	49	48	48
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←				Clear								→	Clear				
Sunshine (in tenths of hours)							.88 0	0.8 0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4 0.6	.70 0							
Wind direction	SW	SW	SW	SW	SW	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	SW	SW	S	S	S	S
Wind movement	8	8	8	7	7	10	9	9	11	12	14	16	17	18	16	13	8	10	7	6	7	7	7	6

Sunrise: Time, 6:07 Character, Clear
Moonrise: ——— ———

Sunset: Time, 4:42 Character, Clear
Moonset: ——— ———

Maximum velocities (exceeding 21 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

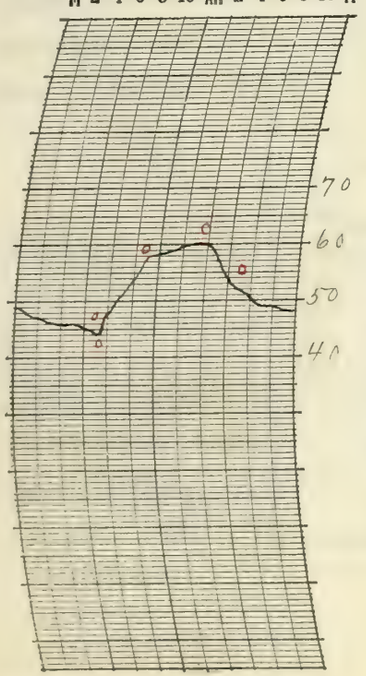
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
60	44	52	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ———
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 10.6 Possible sunshine, hours, 10.6
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind, 241
Average hourly velocity, 10.0 Extreme velocity, 23
Maximum velocity, 20 Direction, SW
Time began, 2:17P ———
Reduced barometer, 29.73 a. m. 29.62 p. m.
River gage, −0.5 feet
Relative humidity, 89 a. m. 43 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 58.0 Wet temperature, 44.9
Dew-point, 29 R. humidity, 33 V. pressure, .157
Clouds: Amount, 2; Kind, Ci; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH



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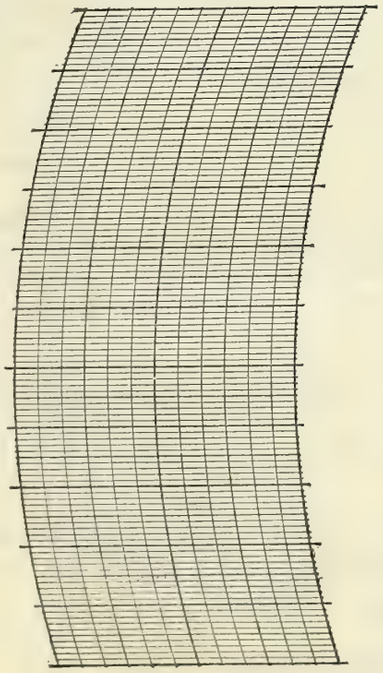
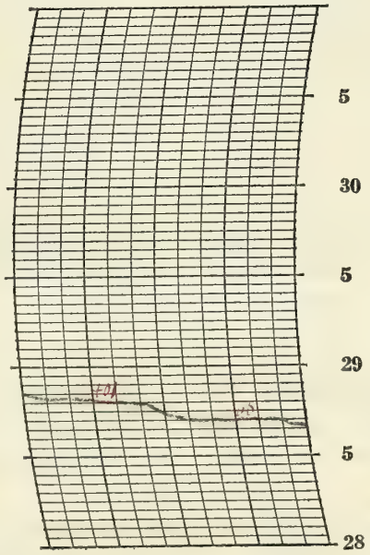


BAROGRAPH.



Prepared by L.C.S.

Verified by R.E.L.

8—486

NOTES

Heavy dew in morning day clear and excellent for flying

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) OCT 29 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	46	45	44	46	46	46	45	45	46	50	52	52
State of weather: Nature of precipitation and time of beginning and ending	RB DNA RE DNA											
Amounts of precipitation	T											
Cloudiness and other conditions						Cloudy		Cloudy			Cloudy	
Sunrise: Time, 6:09 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)							0	0	0.1	0.7	0.8	0.4
Wind direction	S	S	S	S	S	S	SW	SW	SW	SW	SW	SW
Wind movement	7	8	9	9	8	7	4	5	5	8	9	13

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	49	48	46	46	46	46	45	43	42	40	40	39
State of weather: Nature of precipitation and time of beginning and ending												RS DNP cntd
Amounts of precipitation												T
Cloudiness and other conditions	Cloudy										7	
Sunset: Time, 4:41 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	11	14	15	10	8	5	6	8	8	7	8	7

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

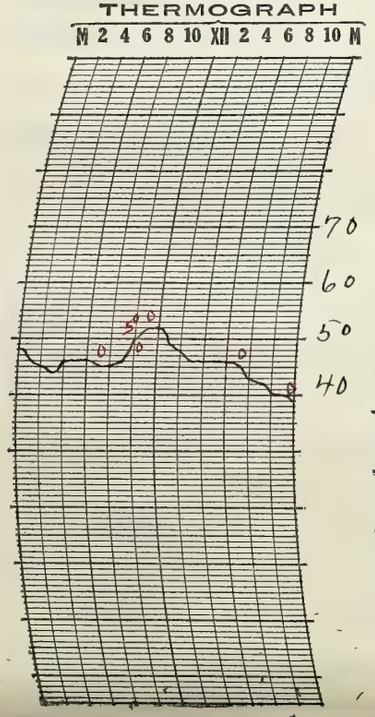
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
52	39	46	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 2.0 Possible sunshine, hours, 10.5
Per cent of possible sunshine, 19
Prevailing wind direction, SW Total wind, 199
Average hourly velocity, 8.3 Extreme velocity, 19
Maximum velocity, 18 Direction, SW
Time began, 2:11 P
Reduced barometer, 29.56 a. m. 29.64 p. m.
River gage, −0.5 feet
Relative humidity, 68 a. m. 64 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 51.5 Wet temperature, 42.0
Dew-point, 30 R. humidity, 44 V. pressure, .164
Clouds: Amount, 10; Kind, St cu; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH



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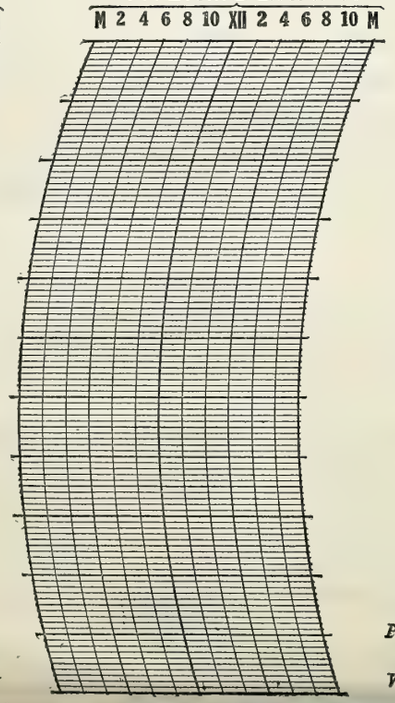
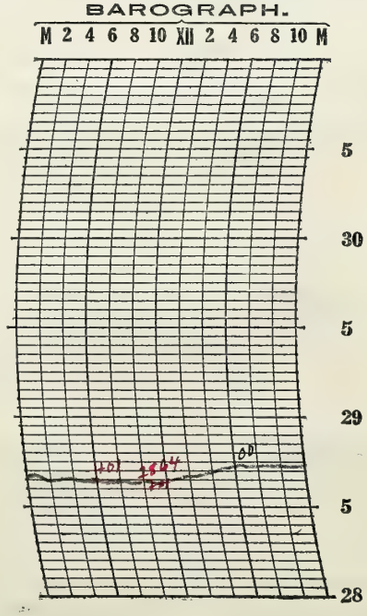


BAROGRAPH.



Prepared by L. C. S.

Verified by R. C. L.

NOTES

A cool cloudy day. Flying conditions fair

3—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) OCT 30 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	39	39	39	39	39	39	38	39	40	42	44	45
Nature of precipitation and time of beginning and ending	Rntd				RE 5:00					RB 9:15	RE 10:35	
Amounts of precipitation	02	02	01	01	T					T	T	
Cloudiness and other conditions							Cloudy					
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	SW	SW	SW	SW	S	SW	SW	SW	SW	SW	SW	SW
Wind movement	5	7	7	5	5	6	4	5	7	8	9	12

Sunrise: Time, 6:10 Character, Cloudy. Moonrise:

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	45	46	45	44	44	43	43	44	43	42	42	42
Nature of precipitation and time of beginning and ending		RB 1:06 RE 1:20			RB 4:45 RE 5:00			RB 7:10				RE DNP
Amounts of precipitation		T			T			T	T	01	T	02
Cloudiness and other conditions												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	9	10	8	8	9	8	7	6	9	8	10	10

Sunset: Time, 4:40 Character, Cloudy. Moonset:

	Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
	46	38	42	

Maximum velocities (exceeding 24 miles) direction and time

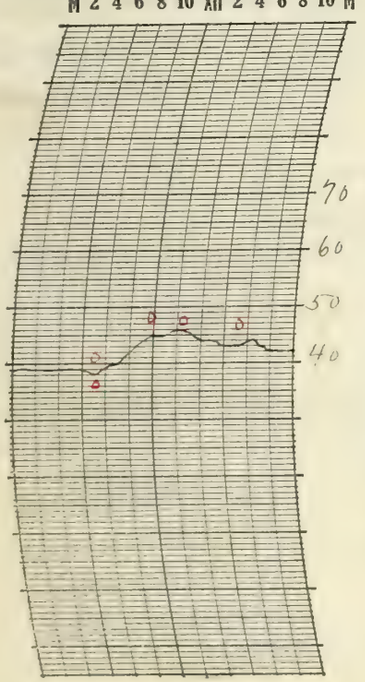
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 06 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .09 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.5
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind, 182
Average hourly velocity, 7.6 Extreme velocity, 15
Maximum velocity, 14 Direction, SW
Time began, 1:17 P
Reduced barometer, 29.69 7 a. m. 29.77 7 p. m
River gage, -0.5 feet
Relative humidity, 94 7 a. m. 90 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)
Dry temperature, 45.4 Wet temperature, 41.9
Dew-point, 38 R. humidity, 75 V. pressure, .228
Clouds: Amount, 9; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH



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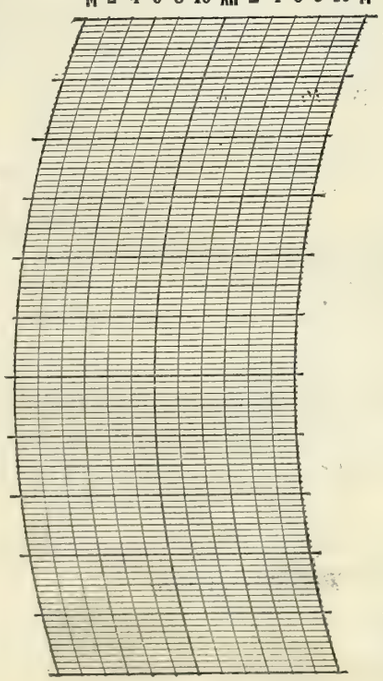
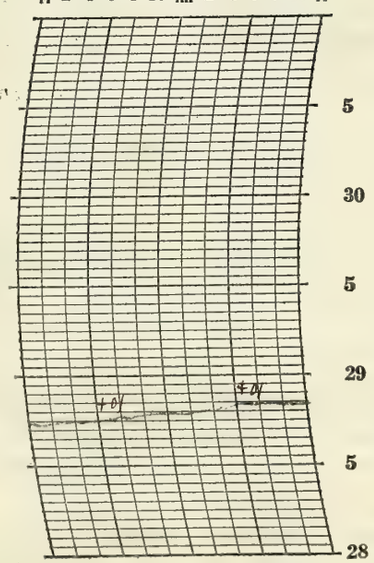


BAROGRAPH.



Prepared by L.C.A.

Verified by R.E.L.

8—486

NOTES

a cool cloudy day. Flying conditions good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) OCT 31 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	42	42	42	43	43	43	43	44	44	44	46	46	48	50	50	48	46	44	44	44	44	44	43	41
Nature of precipitation and time of beginning and ending								RB 7:30	RE 8:30				RB 12:35 RE 12:50					RB 5:00		RE 7:20				
Amounts of precipitation								T	T				T					T	.03	T				
Cloudiness and other conditions							←	Cloudy				→	Pt Cloudy		←	Cloudy					→			
Sunshine (in tenths of hours)							0	0	0	0	0	0	0.3	0	0	0	0							
Wind direction	SW	SW	SW	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	NW	NW	NW	NW	NW	NW	W	NW	NW	W	W
Wind movement	8	9	8	7	7	7	7	6	5	6	6	5	6	8	9	8	7	10	7	7	7	7	7	7

State of weather.

Sunrise: Time, 6:11 Character, Cloudy

Moonrise:

Sunset: Time, 4:38 Character, Cloudy

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
50	41	46	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .03 ins.; to 7 p. m., .03 ins.

Total precipitation, midnight to midnight, .03 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 9

Actual sunshine, hours, 0.3 Possible sunshine, hours, 10.4

Per cent of possible sunshine, 3

Prevailing wind direction, SW Total wind, 171

Average hourly velocity, 6.1 Extreme velocity, 16

Maximum velocity, 15 Direction, NW

Time began, 5:50 P

Reduced barometer, 29.82 a. m. 29.96 p. m.

River gage, −0.3 feet

Relative humidity, 92 a. m. 87 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

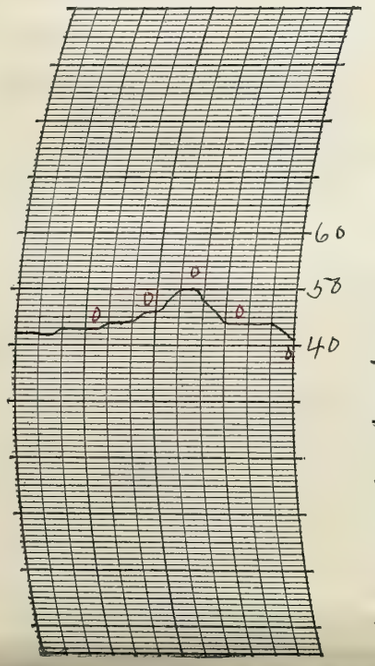
Dry temperature, 46.4 Wet temperature, 43.4

Dew-point, 40 R. humidity, 79 V. pressure, .245

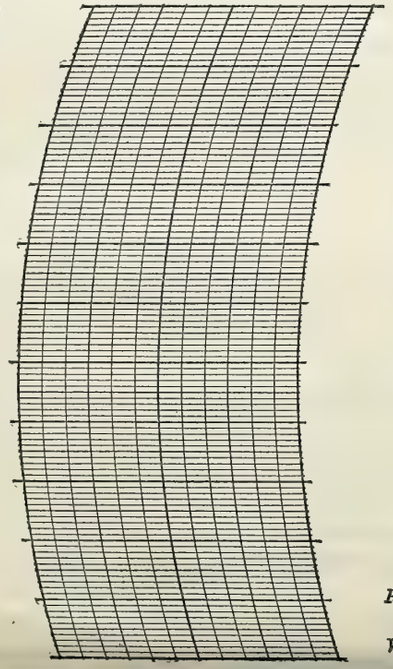
Clouds: Amount, 6; Kind, Cu; Direction, W

Velocity of clouds (miles per hour)

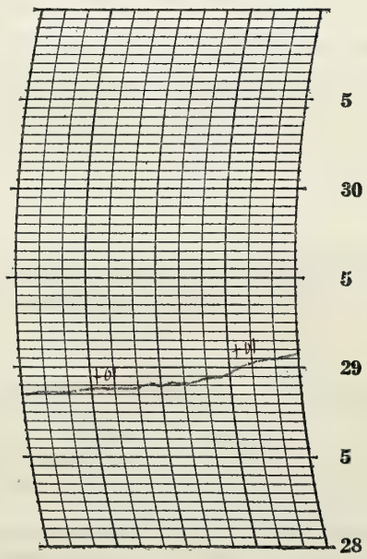
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by R.E.L.

S—486

NOTES

a Cloudy day. 7 flying conditions fair from 7.00 A.M. to 8.00 A.M.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) NOV 1 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	40	40	39	39	40	40	40	42	45	46	49	48	47	50	49	47	45	45	43	42	41	40	40	40
State of weather: Nature of precipitation and time of beginning and ending										R B 9:40 R E 10:00														
Amounts of precipitation										T														
Cloudiness and other conditions							Pt. cl	←		Cloudy					→	←	Pt cloudy	→	Clear					
Sunshine (in tenths of hours)							0	0	0.3	0	0.4	0.1	0.2	0.9	0.1	0	0							
Wind direction	W	W	W	W	W	W	W	W	W	W	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	7	7	6	6	7	6	6	6	7	8	11	12	13	10	14	12	11	8	7	6	4	5	4	4

Sunrise: Time, 6:12 Character, Cloudy
Moonrise:

Sunset: Time, 4:37 Character, Cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

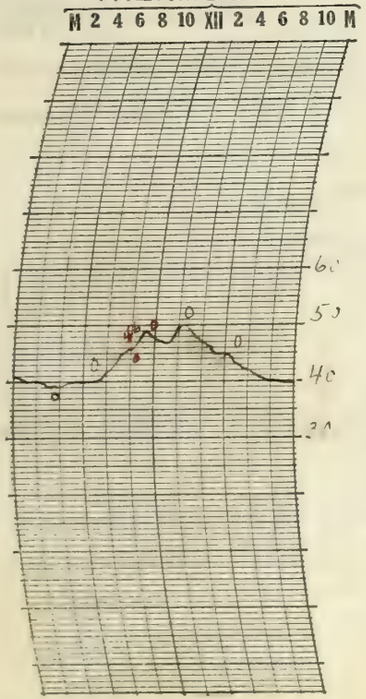
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
50	39	44	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 2.0 Possible sunshine, hours, 10.4
Per cent of possible sunshine, 19
Prevailing wind direction, NW Total wind, 187
Average hourly velocity, 7.8 Extreme velocity, 22
Maximum velocity, 21 Direction, NW
Time began, 3018
Reduced barometer, 30.13 7 a. m. 30.21 7 p. m
River gage, + 0.5 feet
Relative humidity, 96 7 a. m. 78 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 47.7 Wet temperature, 42.8
Dew-point, 37 R. humidity, 67 V. pressure, 219
Clouds: Amount, 8; Kind, A Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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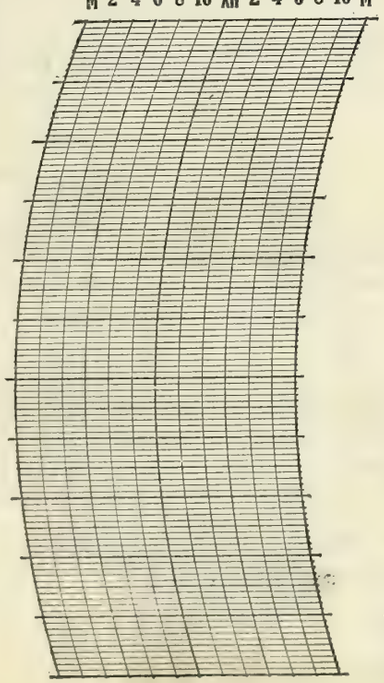

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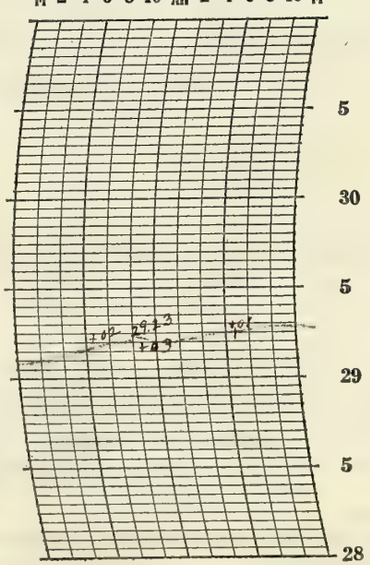


Prepared by R.E.L.

Verified by L.C.S.

8—486

NOTES

Light frost in early morning. Frost warning received and filed to special list at 9:00 A.M., broadcasted and published in newspaper. Flying conditions fair.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) NOV 2 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	40	40	39	38	38	40	40	41	46	45	47	50	48	49	49	49	48	45	45	44	43	42	42	43
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←	Cloudy				→ Pt Cloudy	←	Cloudy				→ Pt Cldy	→ Clear					
Sunshine (in tenths of hours)							0	0	0	0	0	0.8	0	0	0	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W	W	SW	SW	SW	SW	S	S	S	S	S	S	S
Wind movement	4	4	6	5	6	5	5	6	7	8	6	9	9	9	9	7	6	6	7	9	9	9	10	10

Sunrise: Time, 6:13 Character, Cloudy
Moonrise:
Sunset: Time, 4:30 Character, Cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

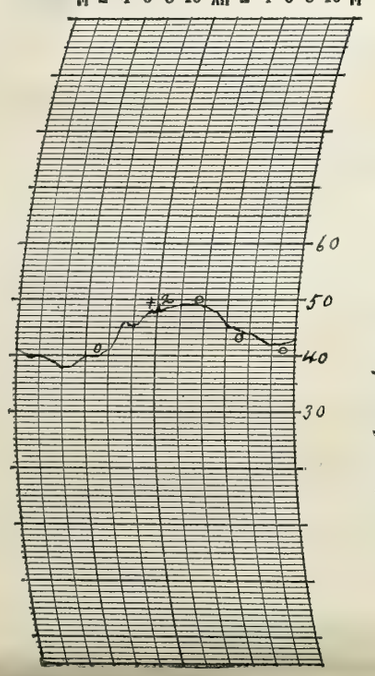
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
50	38	44	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0.8 Possible sunshine, hours, 10.4
Per cent of possible sunshine, 8
Prevailing wind direction, SW Total wind, 171
Average hourly velocity, 7.1 Extreme velocity, 13
Maximum velocity, 13 Direction, SW
Time began, 2:54 P.M.
Reduced barometer, 30.287 a. m. 30.237 p. m.
River gage, -0.5 feet
Relative humidity, 86 a. m. 65 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 50.0 Wet temperature, 40.8
Dew-point, 29 R. humidity, 43 V. pressure, .157
Clouds: Amount, 7; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH



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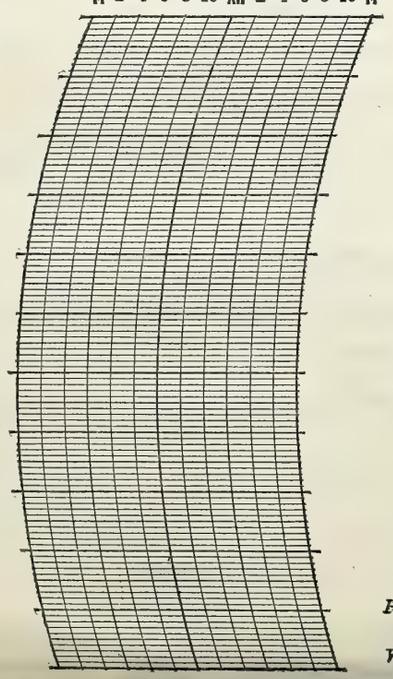
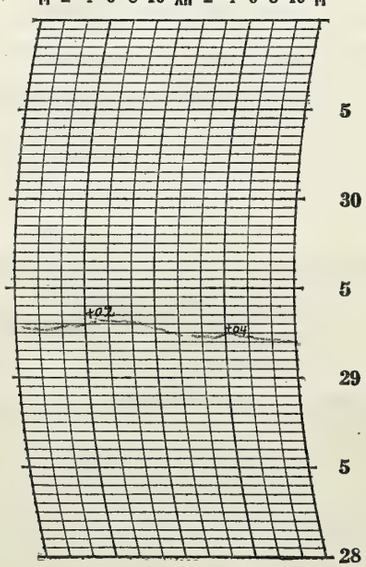


BAROGRAPH.



Prepared by R.E.L.

Verified by L.C.S.

8—486

NOTES

Frost warning received the day before did not verify account of cloudy weather.

Day cool and suitable for flying.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) NOV 3 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	44	43	44	44	44	44	44	48	52	55	58	60	60	61	60	58	55	53	52	50	48	47	47	46
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←		clear				×		Pt cldy	×	clear			→				
Sunshine (in tenths of hours)							.75 0	1.0 0	0.3 0.7	1.0	0.7	0.8	0.4	0	0.2	0.6	.58 0							
Wind direction	S	S	S	S	SW	SW	S	SW	SW	SW	SW	SW	SW	SW	W	W	W	W	W	W	W	W	W	W
Wind movement	10	12	10	13	14	12	14	14	15	16	17	16	16	13	13	14	9	8	7	7	8	7	9	8

Sunrise: Time, 6:15 Character, Clear
Moonrise:
Sunset: Time, 4:35 Character, Clear
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

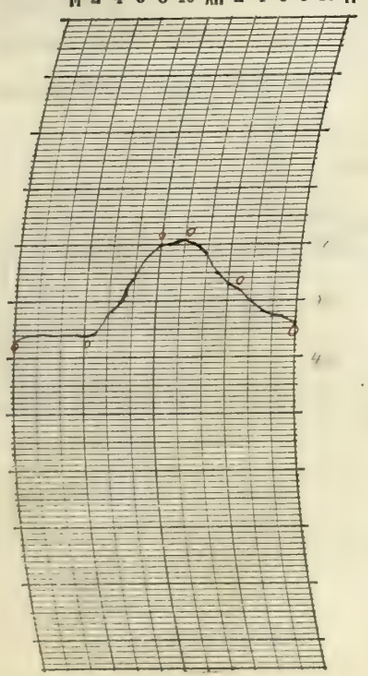
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
61	43	52	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 7.0 Possible sunshine, hours, 10.3
Per cent of possible sunshine, 68
Prevailing wind direction, W Total wind, 282
Average hourly velocity, 11.8 Extreme velocity, 20
Maximum velocity, 20 Direction, SW
Time began, 12:10 P
Reduced barometer, 30.05 7 a. m. 30.07 7 p. m.
River gage, + 0.3 Feet
Relative humidity, 71 7 a. m. 64 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 59.8 Wet temperature, 52.0
Dew-point, 45 R. humidity, 59 V. pressure, 298
Clouds: Amount, 2; Kind, Cir Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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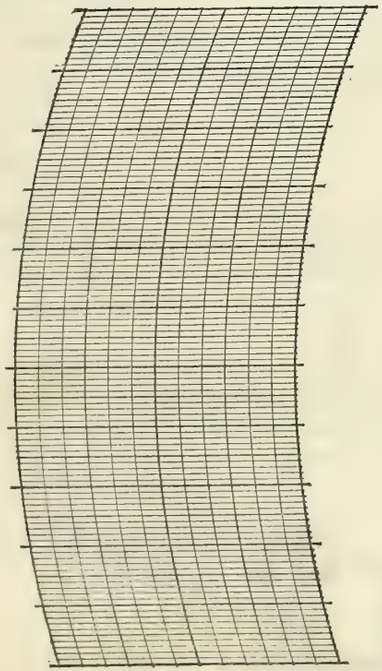
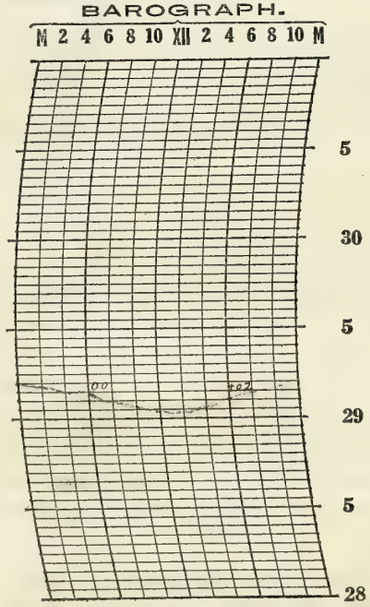


BAROGRAPH.



Prepared by R.E.L.

Verified by L.C.S.

8—486

NOTES

Clear moderate day.
Flying conditions excellent.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) NOV 4 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	44	43	42	39	36	34	35	40	45	48	49	50
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Clear			→ Pt. Cldy		
Sunshine (in tenths of hours)							.73 0	0.8 0.1	1.0	1.0	0.9	0.8
Wind direction	W	W	W	SW	SW	SW	SW	SW	W	W	W	W
Wind movement	7	8	6	7	5	6	6	7	11	11	15	15

Sunrise: Time, 6:16 Character, Clear

Moonrise:

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	51	52	51	49	47	46	45	42	41	40	38	38
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	← Clear			→ Pt. Cloudy			← Clear		→			
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.3	0							
Wind direction	W	NW	W	W	W	W	W	W	W	SW	SW	SW
Wind movement	16	17	16	14	10	6	5	6	6	7	7	7

Sunset: Time, 4:34 Character, Cloudy

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
						Accumulated depths during excessive rate, for consecutive periods of time indicated below.													
Excessive precipitation, accumulated amounts																			

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
52	34	43	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 3

Actual sunshine, hours, 8.6 Possible sunshine, hours, 10.3

Per cent of possible sunshine, 83

Prevailing wind direction, W Total wind, 221

Average hourly velocity, 9.2 Extreme velocity, 20

Maximum velocity, 19 Direction, NW

Time began, 1:24 P.M.

Reduced barometer, 30.20 a. m. 30.22 p. m.

River gage, −0.2 feet

Relative humidity, 86 a. m. 54 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

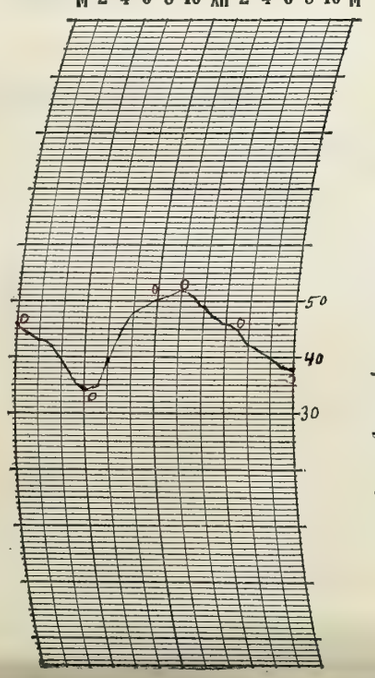
Dry temperature, 50.2 Wet temperature, 42.0

Dew-point, 32 R. humidity, 49 V. pressure, 180

Clouds: Amount, 6; Kind, Acu; Direction, W

Velocity of clouds (miles per hour)

THERMOGRAPH



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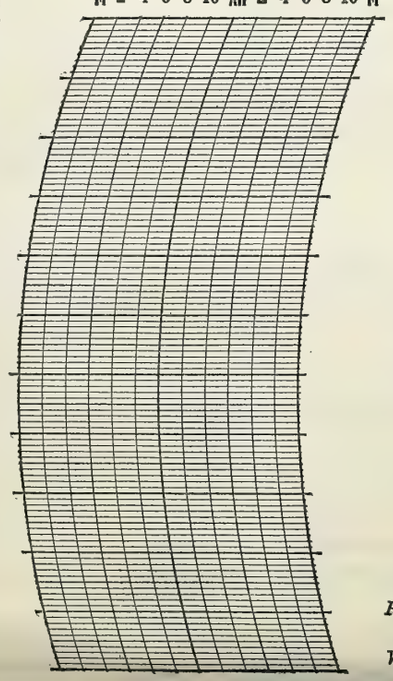
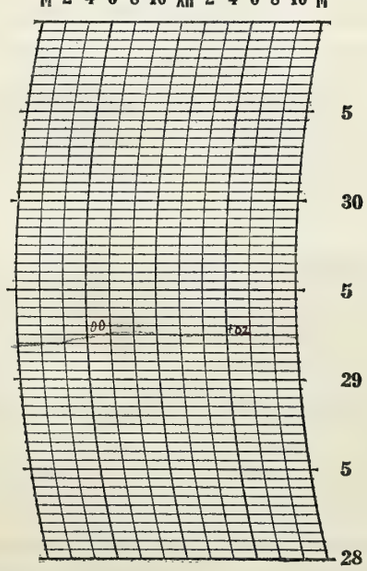


BAROGRAPH.



Prepared by RCL

Verified by LCS

S—486

NOTES

Light frost in early morning. Frost warning received and called to special list at 9:00 A. Broadcasted by radio station and given to newspaper

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Thursday, (Date) NOV 5 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	37	37	37	36	35	34	34	40	44	46	48	50
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions										Clear		
Sunshine (in tenths of hours)							.72 0	0.8 0.2	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W	W
Wind movement	7	7	8	7	7	6	8	10	12	18	19	21
Maximum velocities (exceeding 24 miles) direction and time												W25 11:09

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	48	47	45	44	43	42	41	39	38	37	35	35
Nature of precipitation and time of beginning and ending								S&R B 7:45	S&R E 8:15			
Amounts of precipitation								T	T			
Cloudiness and other conditions						x Pt Cldy						
Sunshine (in tenths of hours)	0.8	0.5	0	0	0							
Wind direction	W	W	NW	W	NW	NW	W	NW	NW	NW	NW	NW
Wind movement	22	21	21	20	14	11	11	13	10	8	8	7
Maximum velocities (exceeding 24 miles) direction and time	W 28 12:35		NW25 1:56									

Sunrise: Time, 6:17 Character, clear

Moonrise:

Sunset: Time, 4:32 Character, Cloudy

Moonset:

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
50	34	42	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 7.0 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 69
Prevailing wind direction, SW, W, NW Total wind, 296
Average hourly velocity, 12.3 Extreme velocity, 29
Maximum velocity, 28 Direction, XX
Time began, 12:35 P.
Reduced barometer, 30.13 7 a. m. 30.25 7 p. m
River gage, -0.5 feet
Relative humidity, 77 7 a. m. 65 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.

Excessive precipitation, accumulated amounts

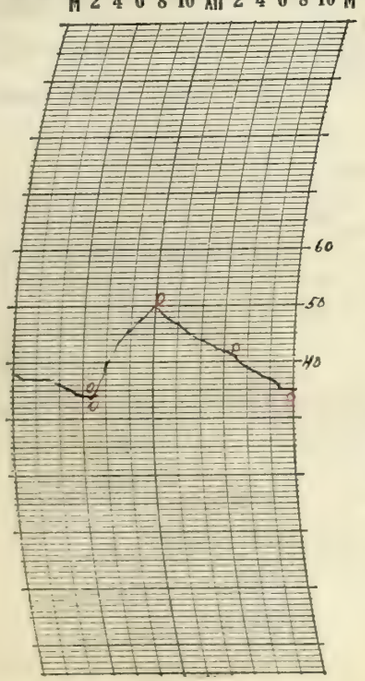
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 49.5 Wet temperature, 40.0
Dew-point, 28 R. humidity, 41 V. pressure, .150
Clouds: Amount, 3; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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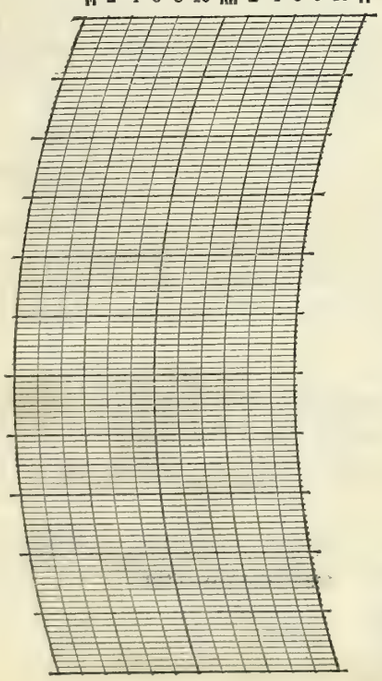
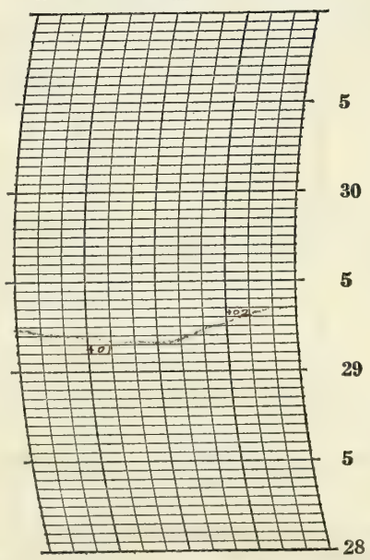


BAROGRAPH.



Prepared by C.E.P.

Verified by L.C.S.

8—486

NOTES

A Clear day with fresh winds from 9:00 AM till sunset. Flying conditions fair. Heavy frost occured in the early morning.

Frost warning received and phoned to special list, broadcasted and given to newspaper at 9:00 A.M.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) NOV 6 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	34	34	34	34	34	33	36	40	42	42	43
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				← Cloudy			→ Prev		← Clear			→
Sunshine (in tenths of hours)							6	0	0.7	1.0	0.3	0.8
Wind direction	NW	NW	NW	NW	NW	NW	NW	W	W	W	W	W
Wind movement	5	7	6	5	5	3	3	4	4	5	6	7

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	46	46	46	45	44	42	41	40	40	39	39	39
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Part Cloudy →		Clear			→
Sunshine (in tenths of hours)	0.2	0.8	0.6	0	0							
Wind direction	W	W	SW	SW	SW	SW	SW	S	S	S	S	S
Wind movement	9	8	7	6	4	3	3	4	4	6	6	6

Sunrise: Time, 6:18 Character, Cloudy

Moonrise:

Sunset: Time, 4:31 Character, Cloudy

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
46	33	40	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 3

Actual sunshine, hours, 4.4 Possible sunshine, hours, 10.2

Per cent of possible sunshine, 43

Prevailing wind direction, W-NW Total wind, 126

Average hourly velocity, 5.2 Extreme velocity, 13

Maximum velocity, 13 Direction, NW

Time began, 12:00 M

Reduced barometer, 30.42 a. m. 30.36 p. m.

River gage, −0.2 feet

Relative humidity, 89 a. m. 58 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

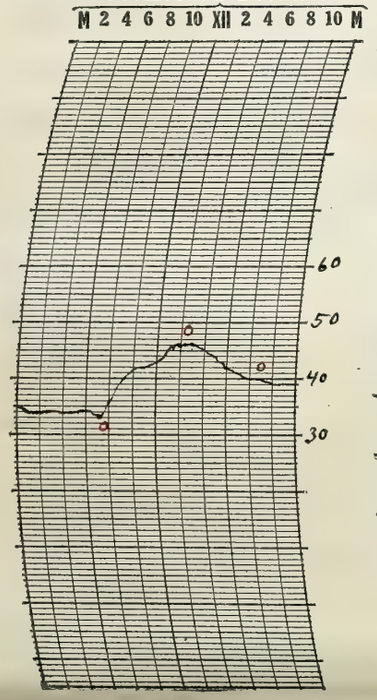
Dry temperature, 43.0 Wet temperature, 35.3

Dew-point, 24 R. humidity, 45 V. pressure, .124

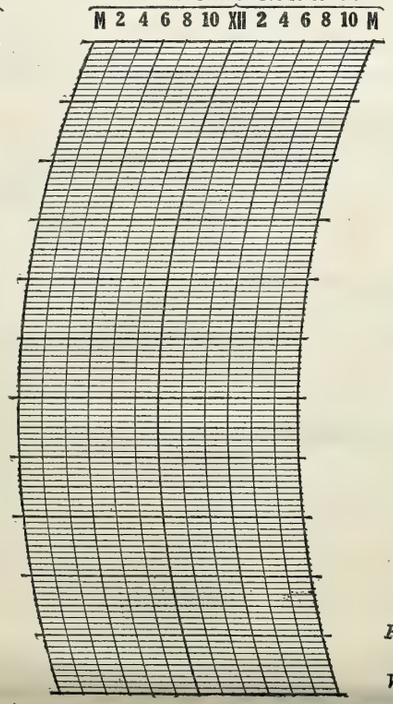
Clouds: Amount, 4 ; Kind, Ci St Cu ; Direction, NW NW SW

Velocity of clouds (miles per hour)

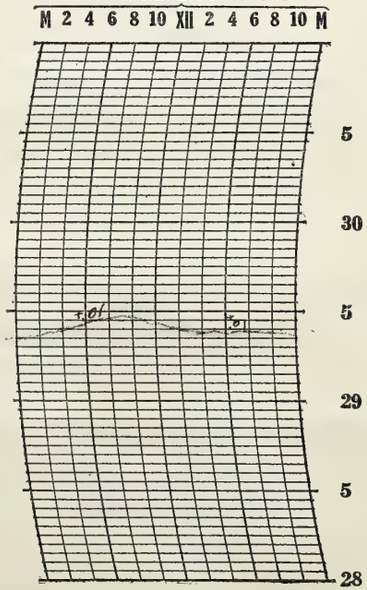
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by RCL

Verified by LCS

8—486

NOTES

A clear cool day. Flying conditions excellent.

Heavy frost occurred in the early morning.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) NOV 7 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	39	39	38	38	39	37	38	39	40	42	43	44	46	49	51	50	49	48	46	44	43	43	42	42
State of weather: Nature of precipitation and time of beginning and ending													$R^B_{12:43}$ $R^E_{12:50}$											
Amounts of precipitation													T											
Cloudiness and other conditions						←			Cloudy				→				Clear			→				
Sunrise: Time, 6:19 Character, Cloudy																					Sunset: Time, 4:30 Character, Clear			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0.9	1.0 0	0.5 0							
Wind direction	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SE	SE	SE	SE	SE	S	S	S
Wind movement	5	5	8	10	8	10	10	11	13	14	15	11	12	10	9	8	5	6	7	7	8	9	9	8
Maximum velocities (exceeding 24 miles) direction and time																								

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
51	37	44	

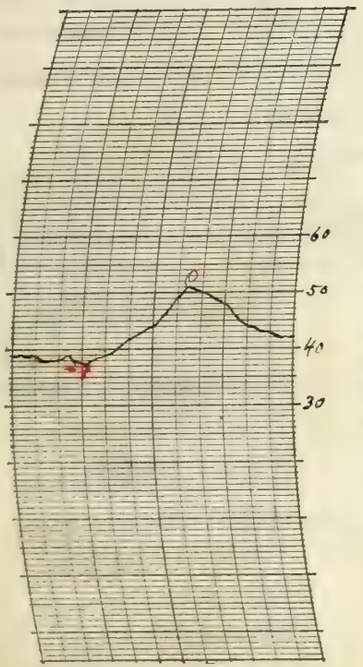
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Part Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 2.4 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 24
Prevailing wind direction, S Total wind, 218
Average hourly velocity, 9.1 Extreme velocity, 18
Maximum velocity, 17 Direction, S
Time began, 9:43 A.M.
Reduced barometer, 30.287 a. m. 30.457 p. m.
River gage, − 0.5 feet
Relative humidity, 67 a. m. 59 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

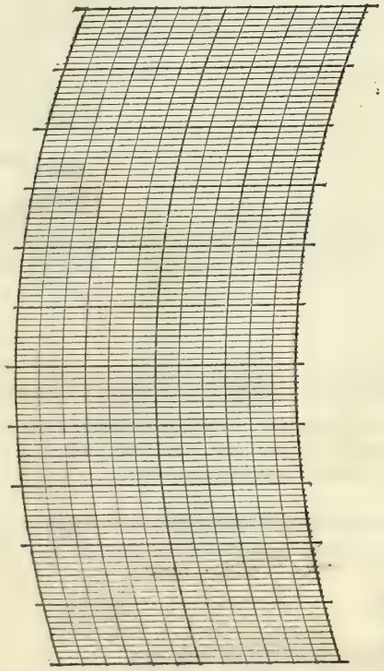
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 44.3 Wet temperature, 38.3
Dew-point, 30 R. humidity, 57 V. pressure, .164
Clouds: Amount, 10; Kind, St Cu; Direction, S
Velocity of clouds (miles per hour)

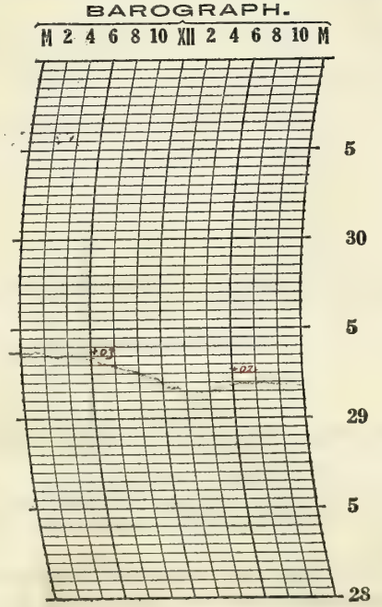
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by R. E. L.

Verified by L. C. S.

8—486

NOTES

A part cloudy day. Very suitable for flying.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) NOV 8 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	43	43	43	42	42	42	44	50	55	60	63	66	68	68	65	62	60	58	56	56	55	56	56
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions			←								Clear				→									—
Sunrise: Time, 6:21 Character, Clear																					Sunset: Time, 4:29 Character, Clear			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)							.65 0	1.0 0	0.2 0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0 0	0.48 0							
Wind direction	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Wind movement	9	7	9	9	9	8	8	9	9	9	10	10	10	10	10	10	9	11	9	9	10	11	12	12
Maximum velocities (exceeding 24 miles) direction and time																								

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
68	42	55	

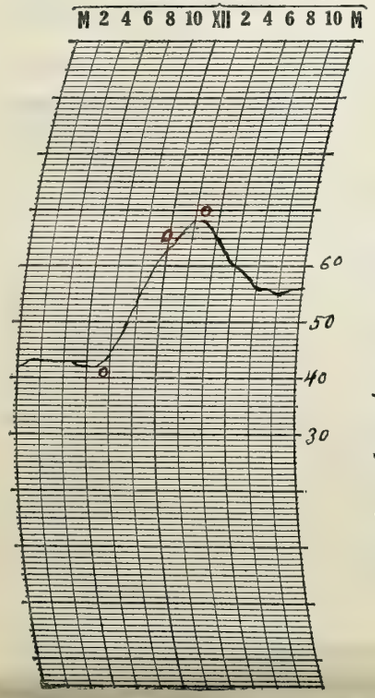
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 10.1 Possible sunshine, hours, 10.1
Per cent of possible sunshine, 100
Prevailing wind direction, S Total wind, 229
Average hourly velocity, 9.5 Extreme velocity, 14
Maximum velocity, 14 Direction, S
Time began, 10:16 PM
Reduced barometer, 30.14 a. m. 30.11 p. m.
River gage, - 0.5 Feet
Relative humidity, 73 a. m. 69 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 63.2 Wet temperature, 52.2
Dew-point, 42 R. humidity, 47 V. pressure, .266
Clouds: Amount, 3; Kind, Ci. St.; Direction, N.W.
Velocity of clouds (miles per hour)

THERMOGRAPH



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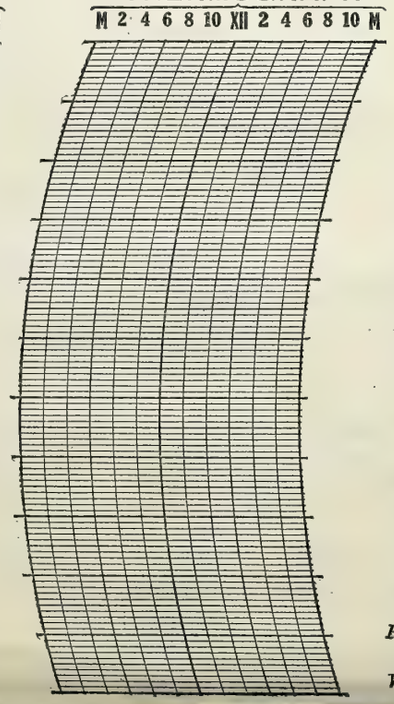

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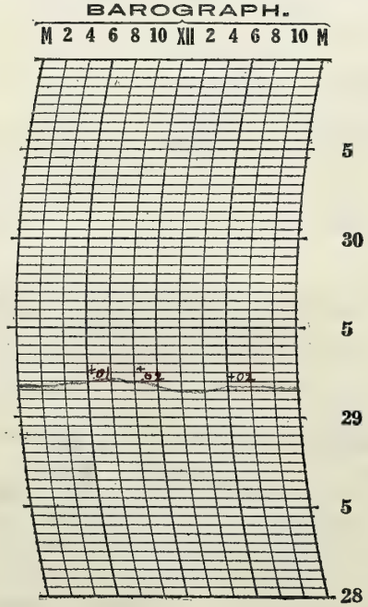


Prepared by R C L
Verified by L. C. S

NOTES

A clear beautiful day.
Flying conditions excellent.

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Monday, (Date) NOV 9 - 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	56	55	55	54	53	53	55	59	63	66	68	71	70	69	67	64	61	61	59	58	57	57	56
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Cloudy			→ Clear			→ Pt Cldy			→		Clear			→				
Sunshine (in tenths of hours)							0	0	0.8	1.0	1.0	1.0	1.0	1.0	0.9	0	0							
Wind direction	S	S	S	S	S	S	S	S	SW	SW	SW	SW	SW	S	S	S	S	S	S	S	S	S	S	S
Wind movement	10	10	9	9	10	10	10	11	10	11	13	15	16	17	17	14	11	13	14	15	13	11	12	13
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 6:22 Character, Cloudy
Moonrise:

Sunset: Time, 4:28 Character, Cloudy
Moonset:

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

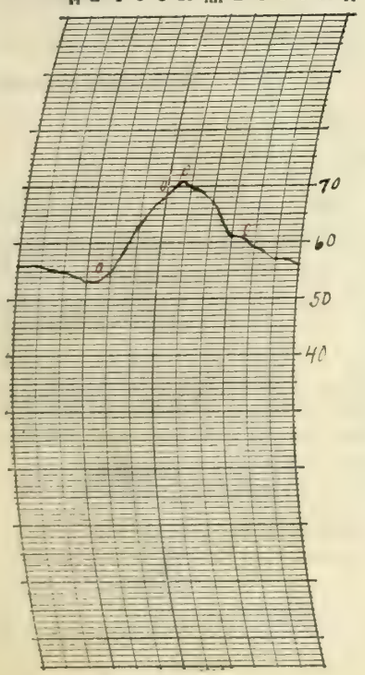
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
71	53	62	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Part Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 6.7 Possible sunshine, hours, 10.1
Per cent of possible sunshine, 66
Prevailing wind direction, S Total wind, 294
Average hourly velocity, 12.2 Extreme velocity, 23
Maximum velocity, 22 Direction, S
Time began, 1:49 P
Reduced barometer, 30.13 7 a. m. 30.05 7 p. m
River gage, -0.2 feet
Relative humidity, 76 7 a. m. 56 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 68.5 Wet temperature, 57.5
Dew-point, 50 R. humidity, 51 V. pressure, .360
Clouds: Amount, 7; Kind, Cu St; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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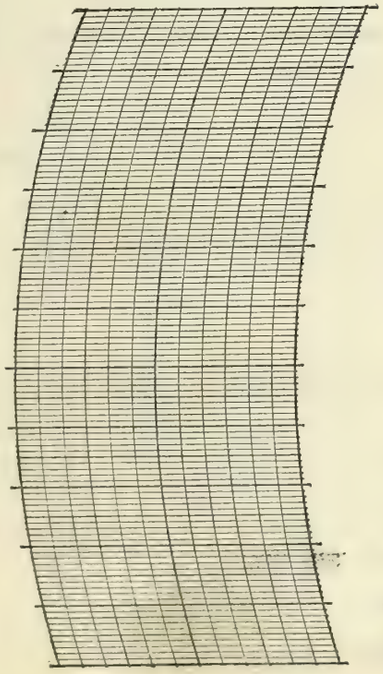

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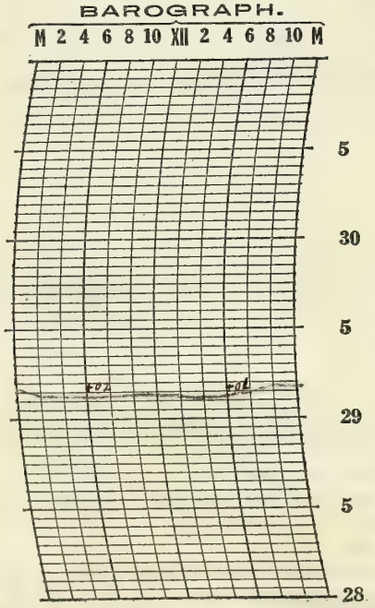


Prepared by R. E. L.

Verified by E. R. J.

8—486

NOTES

A part cloudy, warm pleasant day. Flying conditions good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) NOV 10 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	56	56	55	54	54	54	54	56	54	56	58
Nature of precipitation and time of beginning and ending										RB 9:20	RE 10:05	
Amounts of precipitation										.02	T	
Cloudiness and other conditions						←				Cloudy		
Sunrise: Time, Character,	6:23 Cloudy											
Moonrise:												
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	12	13	14	14	14	13	12	12	10	9	10	11

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	56	53	52	51	51	51	50	50	50	50	50
Nature of precipitation and time of beginning and ending			RB 2:45		RE 4:10							
Amounts of precipitation			T	T	T							
Cloudiness and other conditions					→							
Sunset: Time, Character,									4:27 Cloudy			
Moonset:												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	W	NW	NW	N	N	N	N	NE	NE	E	E
Wind movement	10	9	9	6	8	8	7	5	6	4	6	4

State of weather.

Maximum velocities (exceeding 2.4 miles) direction and time

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
59	50	54	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .02 ins.
Total precipitation, midnight to midnight, .02 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.1
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind, 226
Average hourly velocity, 9.4 Extreme velocity, 17
Maximum velocity, 16 Direction, SW
Time began, 3:44 A.M.
Reduced barometer, 30.08 a. m. 30.24 p. m.
River gage, + 0.4 feet
Relative humidity, 54 a. m. 84 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

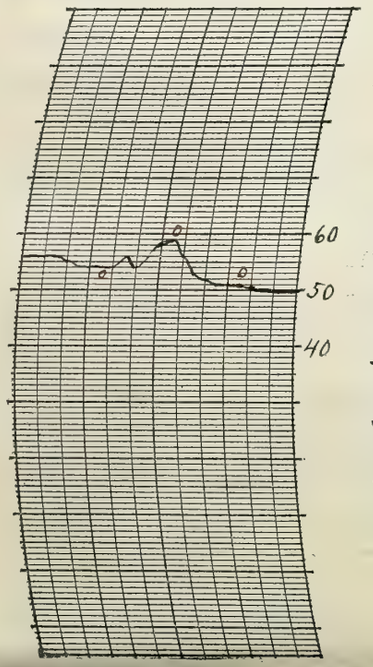
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 58.1 Wet temperature, 53.0
Dew-point, 47 R. humidity, 66 V. pressure, .322
Clouds: Amount, 10; Kind, Stcu; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH



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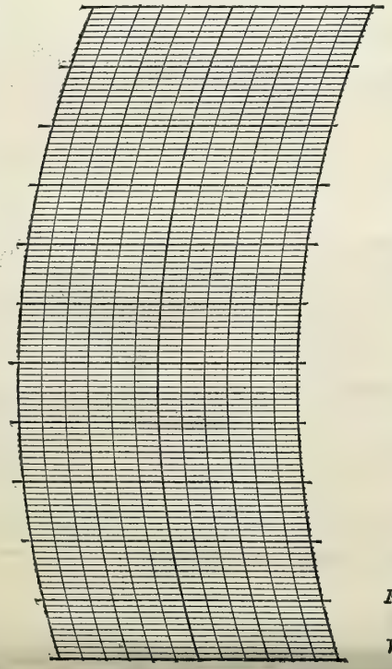
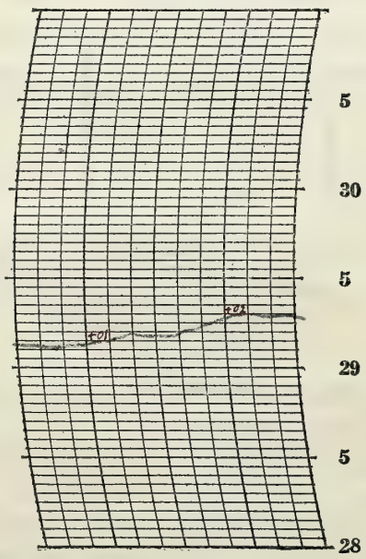


BAROGRAPH.



Prepared by R.E.L.

Verified by L.C.S.

NOTES

A cloudy day. Flying conditions fair.

8—486

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

NOV 11 1931

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) _____, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	50	49	49	48	48	48	48	49	50	51	52	53
State of weather: Nature of precipitation and time of beginning and ending						RB DNA		RE 7:15			RB 10:20	
Amounts of precipitation						T	T	T			T	T
Cloudiness and other conditions							← Cloudy					
Sunrise: Time, 6:24 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	E	E	E	E	E	E	E	E	E	E	E	E
Wind movement	6	6	7	9	9	8	7	6	6	6	5	4

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	55	56	59	59	59	59	59	59	59	58	59	62
State of weather: Nature of precipitation and time of beginning and ending		RE 1:05							RB 8:45		RE 10:05	
Amounts of precipitation	0.01	T							0.03	0.49	0.01	
Cloudiness and other conditions		→										
Sunset: Time, 4:26 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	E	SE	SE	SE	SE	SE	SE	SE	S	S	S	S
Wind movement	4	4	6	5	6	6	7	9	8	5	8	11

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

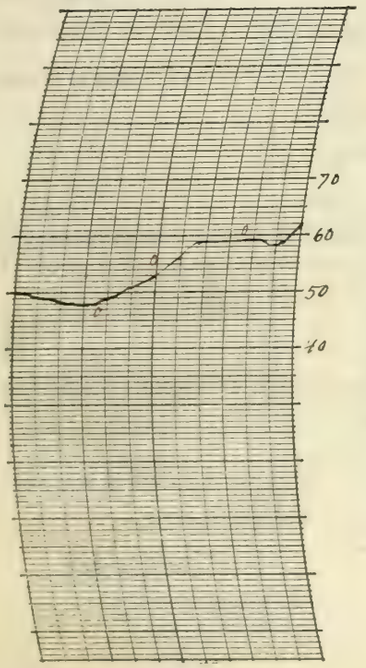
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
62	48	55	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .54 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.0
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind, 158
Average hourly velocity, 6.6 Extreme velocity, 14
Maximum velocity, 14 Direction, S
Time began, 11:21 A
Reduced barometer, 30.21 7 a. m. 30.05 7 p. m
River gage, + 0.2 feet
Relative humidity, 96 7 a. m. 94 7 p. m.

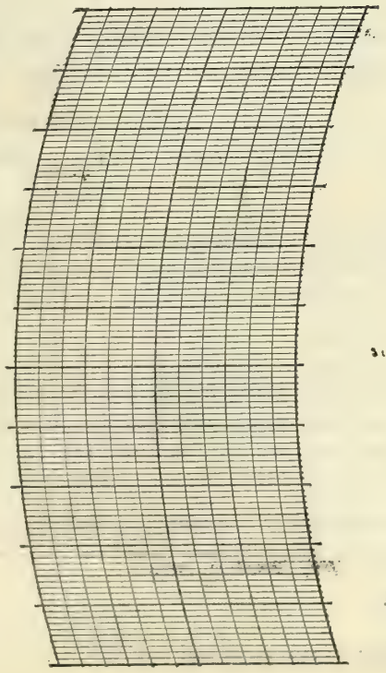
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 52.8 Wet temperature, 51.8
Dew-point, 51 R. humidity, 94 V. pressure, .373
Clouds: Amount, 10; Kind, 0-Fog; Direction, ?
Velocity of clouds (miles per hour)

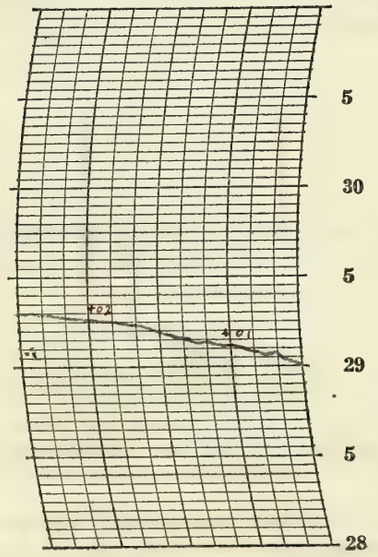
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by R.E.L.

Verified by L.C.J.

8—486

NOTES

Flying conditions poor entire day. Ceiling and visibility zero the greater portion of the day. Flights of all commercial and mail planes cancelled, however a private plane arrived from Cincinnati about 4:00 P.M.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) NOV 12 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	62	63	64	63	62	60	59	60	60	61	61	63
State of weather: Nature of precipitation and time of beginning and ending						R B DNA	R E 6:35		R B 8:50	R E 9:15		
Amounts of precipitation						0.11	0.01		T	T		
Cloudiness and other conditions						← Cloudy						
Sunrise: Time, Character, 6:25 Cloudy												
Moonrise:												
Sunshine (in tenths of hours)							0	0	0	0	0	0.4
Wind direction	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	13	15	18	16	16	13	14	16	17	16	15	17
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	65	64	64	64	63	63	62	58	54	53	52
State of weather: Nature of precipitation and time of beginning and ending						R B 5:20		R E 8:00				
Amounts of precipitation						T	.01	.04				
Cloudiness and other conditions							→ Cloudy					
Sunset: Time, Character, 4:25 Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0	0.1	0	0	0							
Wind direction	SW	SW	SW	SW	S	SW	SW	W	W	W	W	W
Wind movement	18	17	15	14	16	14	14	10	11	13	11	9

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
65	52	58	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .65 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, 0.17 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0.5 Possible sunshine, hours, 10.0
Per cent of possible sunshine, 5
Prevailing wind direction, SW Total wind, 348
Average hourly velocity, 14.5 Extreme velocity, 21
Maximum velocity, 21 Direction, SW
Time began, 12:44 PM
Reduced barometer, 29.90 a. m. 29.85 p. m.
River gage, — 0.2 foot
Relative humidity, 89 a. m. 86 p. m.

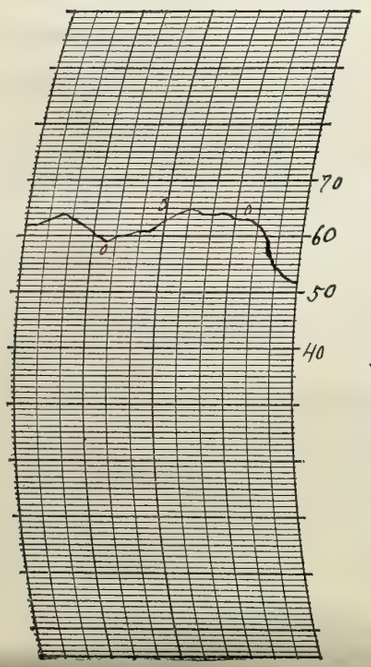
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

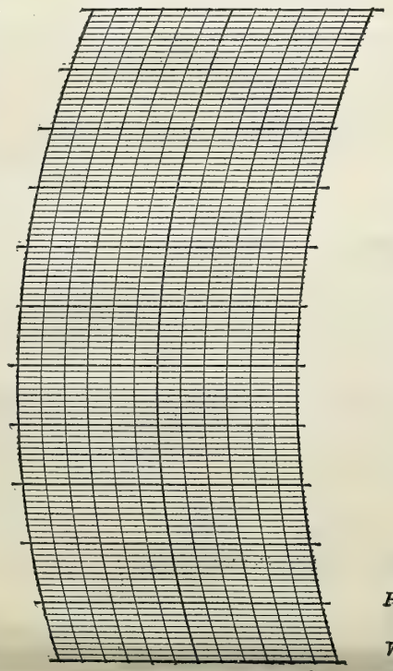
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 63.0 Wet temperature, 58.9
Dew-point, 56 R. humidity, 79 V. pressure, .448
Clouds: Amount, 4; Kind, Ac St; Direction, W
Velocity of clouds (miles per hour)

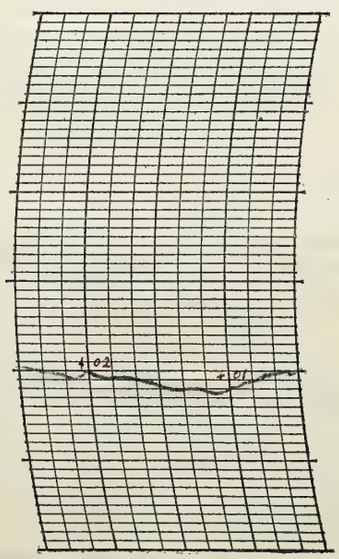
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by REL

Verified by L.C.S.

NOTES

A cloudy day. Flying conditions fair.

8—486

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

NOV 13 1931

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) , 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	51	50	48	46	46	44	44	46	48	50	51	52	55	55	55	54	53	52	51	49	48	48	47	46
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←					Clear		* Pt. Cldy	*	Clear				→				
Sunshine (in tenths of hours)							0	0	0.6	1.0	1.0	1.0	1.6	0.8	0.1 0.3	1.0 0	.42 0							
Wind direction	W	W	W	W	W	W	W	W	W	W	W	NW	W	W	W	W	W	W	W	SW	SW	SE	SE	E
Wind movement	9	8	11	9	6	6	5	4	6	5	4	4	5	4	5	3	3	2	1	1	3	4	5	4

Sunrise: Time, 6:26 Character, Cloudy
Moonrise:

Sunset: Time, 4:25 Character, Clear
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

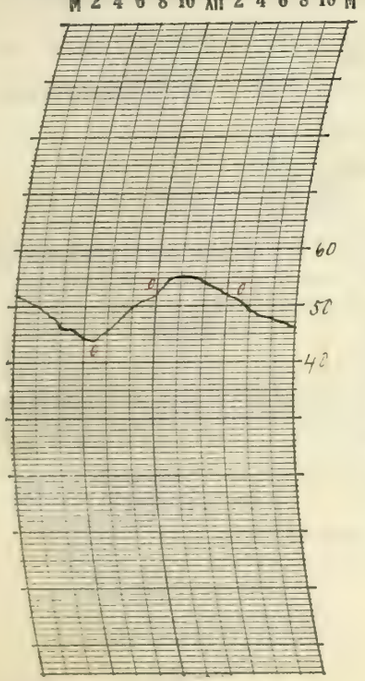
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
55	44	50	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .04 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 7.2 Possible sunshine, hours, 10.0
Per cent of possible sunshine, 72
Prevailing wind direction, WW Total wind, 117
Average hourly velocity, 4.9 Extreme velocity, 13
Maximum velocity, 13 Direction, W
Time began, 2:23 A.M.
Reduced barometer, 30.11 7 a. m. 30.18 7 p. m.
River gage, + 0.4 Feet
Relative humidity, 92 7 a. m. 69 7 p. m.

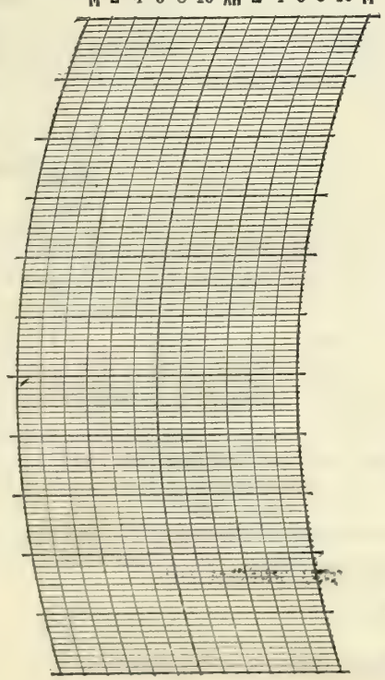
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 52.0 Wet temperature, 45.1
Dew-point, 37 R. humidity, 58 V. pressure, .219
Clouds: Amount, 2; Kind, Ci St; Direction, W
Velocity of clouds (miles per hour)

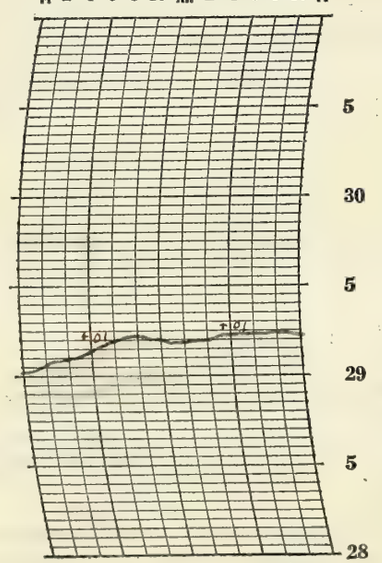
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by R.E.L.

Verified by L.C.S.

8—486

NOTES

A clear day. Flying conditions excellent.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Saturday, (Date) NOV 14 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	46	46	46	46	46	46	46	48	50	51	53	54
State of weather: Nature of precipitation and time of beginning and ending						RB DNA			RE 8:55			
Amounts of precipitation						.02	.01	.04	.03			
Cloudiness and other conditions						← Cloudy						
Sunrise: Time, Character, 6:28 Cloudy												
Moonrise:												
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	E	E	E	E	E	E	E	E	E	E	E	E
Wind movement	5	5	6	7	6	8	7	8	9	8	9	8

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	58	58	59	60	60	62	64	64	62	61	61	60
State of weather: Nature of precipitation and time of beginning and ending		RB 1:30		RE 3:15								
Amounts of precipitation		T	T	T								
Cloudiness and other conditions							→					
Sunset: Time, Character, 4:24 Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	E	E	NE	E	E	E	SE	S	S	S	S	S
Wind movement	6	4	4	3	3	5	8	9	9	9	9	8

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

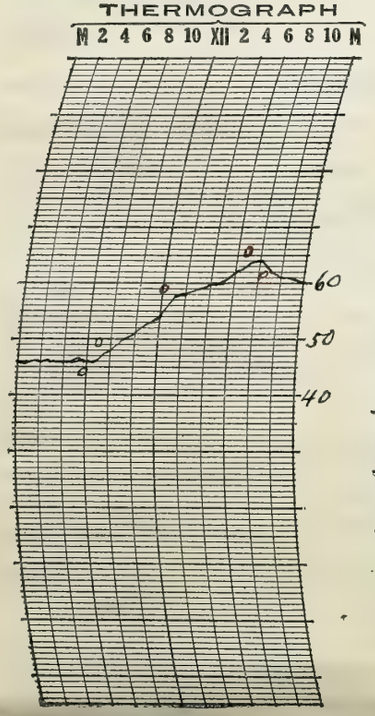
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
64	46	55	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .03 ins.; to 7 p. m., .07 ins.
Total precipitation, midnight to midnight, 0.10 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.9
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind, 163
Average hourly velocity, 6.8 Extreme velocity, 10
Maximum velocity, 10 Direction, S
Time began, 7:10 PM.
Reduced barometer, 30.14 a. m. 30.00 p. m.
River gage, −0.4 feet
Relative humidity, 89 a. m. 80 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 54.5 Wet temperature, 53.5
Dew-point, 52 R. humidity, 94 V. pressure, .387
Clouds: Amount, 10; Kind, Lt Fog; Direction, SE
Velocity of clouds (miles per hour)

THERMOGRAPH



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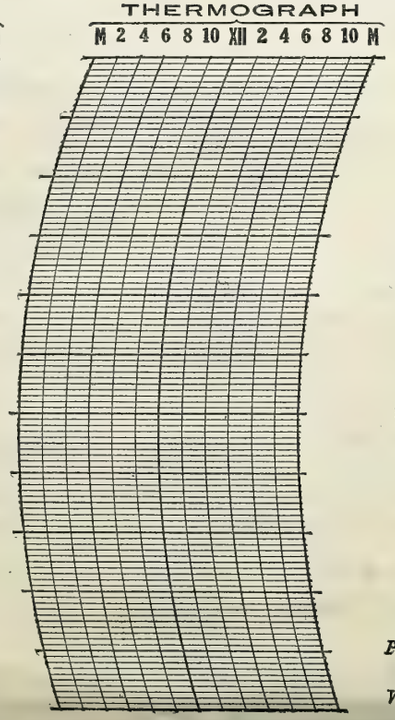
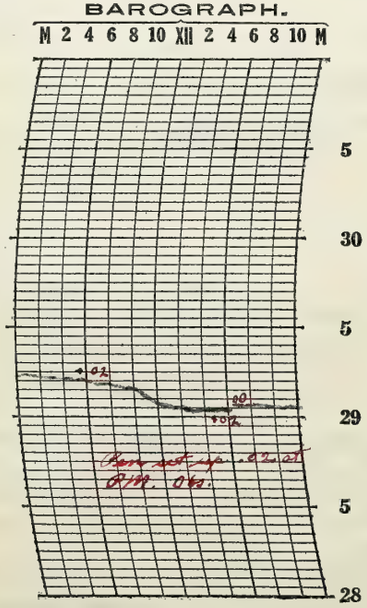


BAROGRAPH.



Prepared by REL

Verified by L.C.S.

NOTES

A cloudy, foggy day. Flying conditions poor.

3—456

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

NOV 15 1921

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) _____, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	58	60	59	61	58	58	58	59	63	64	66	67
Nature of precipitation and time of beginning and ending			R B DNA			R E 5:20						
Amounts of precipitation			.01	T	.04	.01						
Cloudiness and other conditions							← Cloudy × Partly cloudy	Partly cloudy × Cloudy	× Clear			
Sunshine (in tenths of hours)							0	0	0.4	0.1	0.2	1.0
Wind direction	S	S	S	S	SW	S	S	S	S	SW	SW	SW
Wind movement	8	11	10	10	9	10	10	10	13	18	16	20

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	68	69	69	67	64	62	61	59	58	57	56	55
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Part cloudy	× Clear										
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.7 0.3	0.38 0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S
Wind movement	20	19	17	13	10	6	6	5	6	7	6	6
Maximum velocities (exceeding 24 miles) direction and time	26 SW 12:30											

Sunrise: Time, 6:29 Character, Cloudy
Moonrise: _____

Sunset: Time, 4:23 Character, Clear
Moonset: _____

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

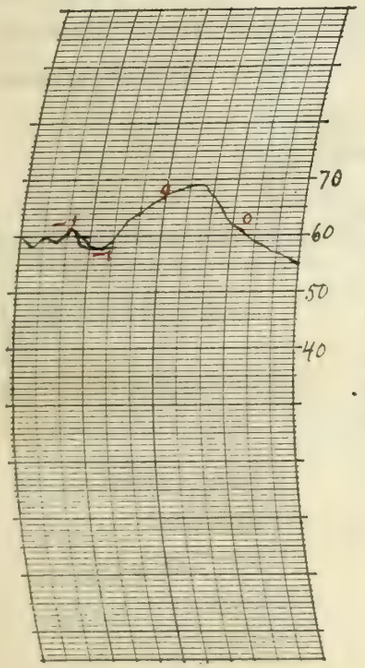
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
69	55	62	

Total depth of snow for 24 hours ending 7 p. m., _____ inches.
Snow, sleet, and hail on ground 7 p. m., _____ inches.
Total snowfall, midnight to midnight, _____ inches.
Precipitation to 7 a. m., .06 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .06 inches.
Character of day, Part Cloudy Moon phase, _____
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 6.1 Possible sunshine, hours, 9.9
Per cent of possible sunshine, 62
Prevailing wind direction, SW Total wind, 266
Average hourly velocity, 11.1 Extreme velocity, 29
Maximum velocity, 26 Direction, SW
Time began, 12:30 PM
Reduced barometer, 29.93 7 a. m. 29.98 7 p. m.
River gage, + 0.8 feet
Relative humidity, 94 7 a. m. 67 7 p. m.

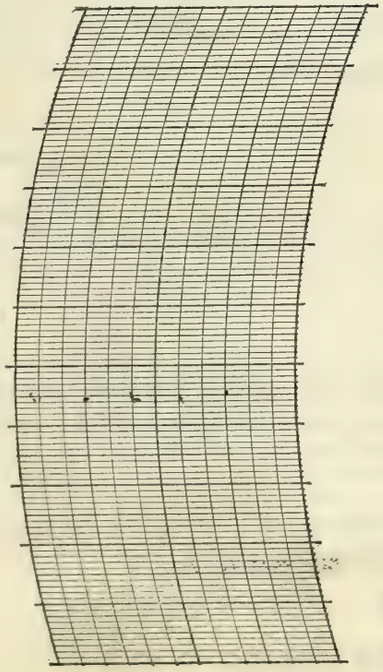
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 66.8 Wet temperature, 57.3
Dew-point, 51 R. humidity, 56 V. pressure, .373
Clouds: Amount, 3; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

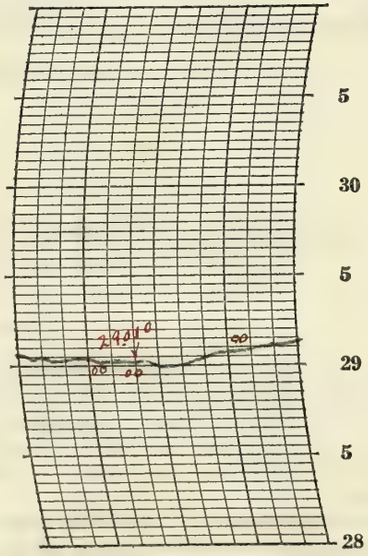
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by R.E.L.

Verified by L.C.S.

8—486

NOTES

Rain in early morning, followed by cloudy and threatening at times and then nearly clear for a short period. The cumulus clouds moved rapidly from SW to NE. Clear after three p.m. A good day for flying and all planes at time.

Bright lunar halo observed at 6:00 P.M.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) NOV 16 1931 ✓, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	54	54	54	54	54	55	57	58	58	60	60	63
State of weather: Nature of precipitation and time of beginning and ending					RB DNA						RE 10.25	
Amounts of precipitation					T	T	T	T	T	T	T	
Cloudiness and other conditions							←				Cloudy	
Sunrise: Time, 6:30 Character, Foggy												
Moonrise:												
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	S	S	S	S	S	S	SW	SW	SW	S	SW	SW
Wind movement	7	7	7	7	7	8	8	8	8	9	9	8
Maximum velocities (exceeding 24 miles) direction and time												

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	65	67	68	67	66	64	64	63	62	61	61	60
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions		→	Pt. Cloudy	→	Clear	→						
Sunrise: Time, Character,												
Moonrise:												
Sunset: Time, 4:22 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0	0.1	0	0	0							
Wind direction	SW	SW	S	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	9	7	8	7	6	9	9	11	8	8	10	10
Maximum velocities (exceeding 24 miles) direction and time												

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
68	54	61	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0.1 Possible sunshine, hours, 9.9
Per cent of possible sunshine, 1
Prevailing wind direction, SE Total wind, 195
Average hourly velocity, 8.1 Extreme velocity, 13
Maximum velocity, 13 Direction, SE
Time began, 10:44 PM.
Reduced barometer, 30.11 7 a. m. 30.08 7 p. m.
River gage, +1.1 feet
Relative humidity, 97 7 a. m. 86 7 p. m.

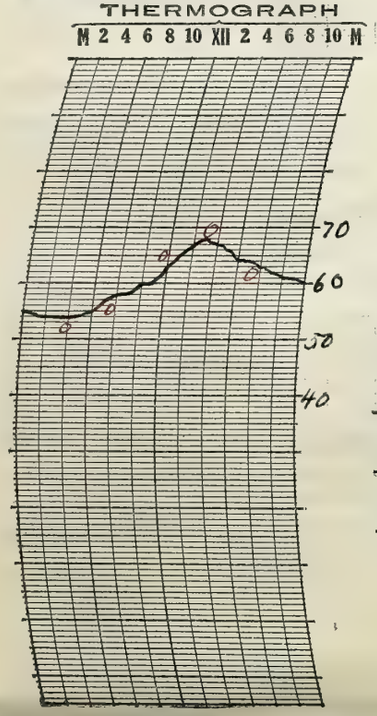
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

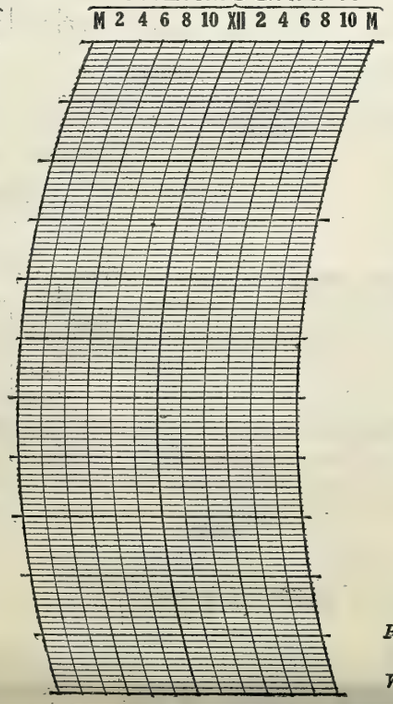
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 63.0 Wet temperature, 60.9
Dew-point, 60 R. humidity, 89 V. pressure, .517
Clouds: Amount, 10; Kind, Stcu; Direction, SW
Velocity of clouds (miles per hour)

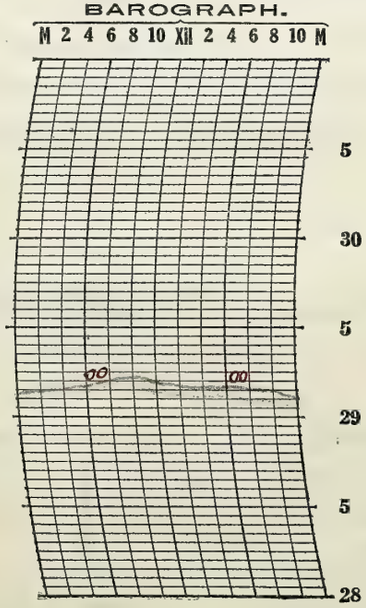
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by R.E.L.

Verified by L.C.S.

NOTES

Ceiling and visibility zero from DNA to 8:00 A and flying conditions remained poor to 11:00 A.M. as result of fog.

8—486

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) NOV 17 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	60	60	60	59	59	60	60	61	62	65	69	71	69	68	68	68	68	65	64	61	61	61	61	61
State of weather: Nature of precipitation and time of beginning and ending																		R 5:30						
Amounts of precipitation																		.02	.21	.32	.18	.08	.05	.13
Cloudiness and other conditions							←			Cloudy												→		
Sunshine (in tenths of hours)							0	0	0	0	0.2	0.5	0	0	0	0	0							
Wind direction	SE	SE	SE	SE	SE	SE	SE	S	S	S	S	S	S	S	S	S	S	SE	S	SW	SW	S	S	S
Wind movement	9	10	11	11	11	13	13	14	16	15	15	20	19	19	18	16	13	12	9	12	11	13	15	12
Maximum velocities (exceeding 24 miles) direction and time												27-S 11:42												

Sunrise: Time, 6:31 Character, Cloudy
Moonrise:
Sunset: Time, 4:21 Character, Cloudy
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

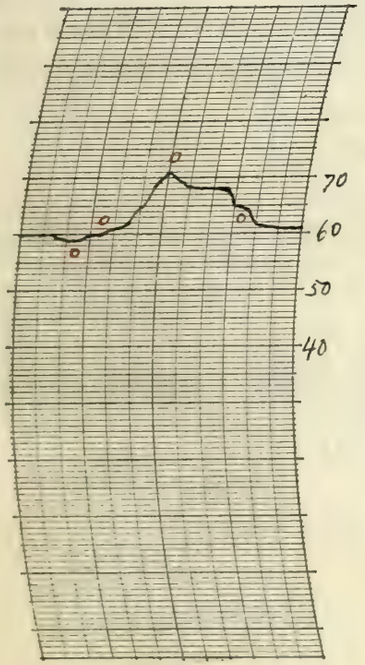
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
71	59	65	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .16 ins.
Total precipitation, midnight to midnight, .99 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.7 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 7
Prevailing wind direction, S Total wind, 327
Average hourly velocity, 13.6 Extreme velocity, 29
Maximum velocity, 27 Direction, S
Time began, 11:42 A.M.
Reduced barometer, 29.92 7 a. m. 29.64 7 p. m.
River gage, +1.1 feet
Relative humidity, 76 7 a. m. 93 7 p. m.

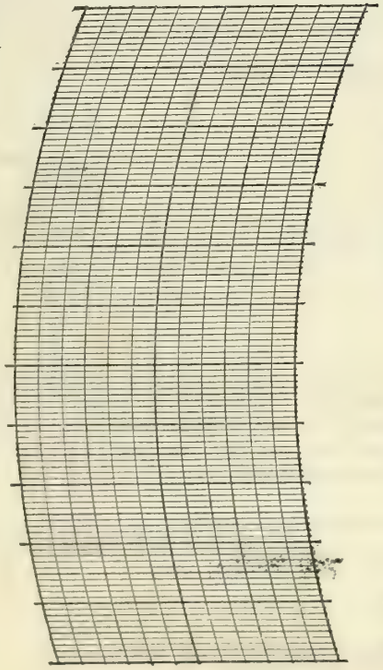
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 70.8 Wet temperature, 61.8
Dew-point, 57 R. humidity, 60 V. pressure, .465
Clouds: Amount, 10; Kind, Stcu; Direction, SW
Velocity of clouds (miles per hour)

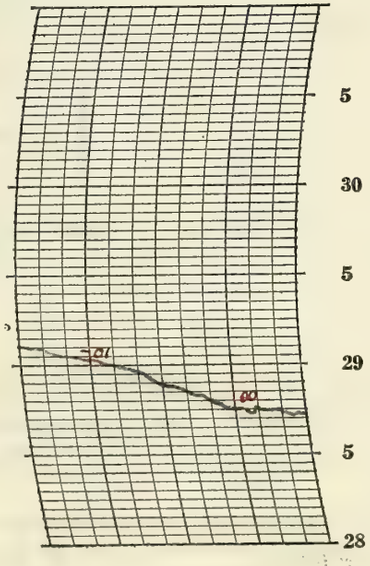
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by RCL

Verified by L.C.S.

8—486

NOTES

Flying conditions poor from 8:15 to 9:00 A.M. and from 4:30 P.M. until the night as a result of light fog.

Day was cloudy and mild.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) NOV 18 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	58	52	51	48	48	46	47	47	48	47	48	48	48	48	48	48	47	47	48	48	48	48	48	47
State of weather: Nature of precipitation and time of beginning and ending	RE DNA																							
Amounts of precipitation	.15																							
Cloudiness and other conditions	← Cloudy →																							
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0							
Wind direction	SW	W	W	NW	NW	NW	NW	N	N	N	NE	E	E	SE	E	E	E	E	E	E	E	E	E	E
Wind movement	13	13	13	15	11	8	9	8	10	10	6	6	6	5	5	7	7	5	4	6	8	7	9	7
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 6:32 Character, Cloudy
Moonrise:
Sunset: Time, 4:20 Character, Cloudy
Moonset:

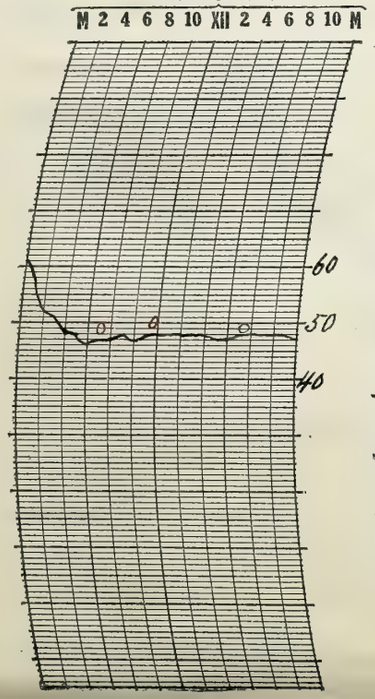
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
61	46	54	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .98 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .15 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind, 198
Average hourly velocity, 8.2 Extreme velocity, 19
Maximum velocity, 19 Direction, NW
Time began, 3:22 A.M.
Reduced barometer, 30.04 a. m. 30.17 p. m.
River gage, ~~f~~ + 1.5 feet
Relative humidity, 87 a. m. 88 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 48.0 Wet temperature, 45.6
Dew-point, 43 R. humidity, 84 V. pressure, .277
Clouds: Amount, 10; Kind, Stcu; Direction, E
Velocity of clouds (miles per hour)

THERMOGRAPH



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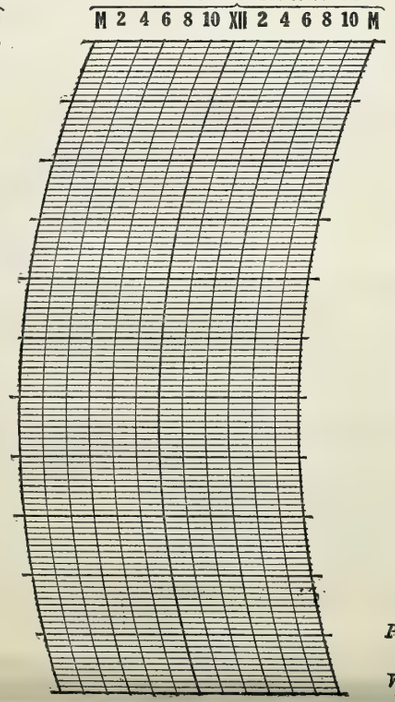
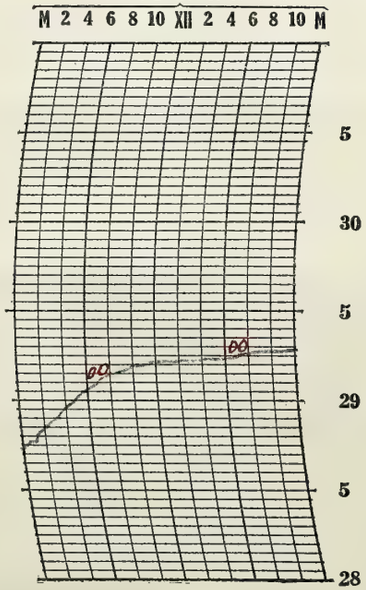


BAROGRAPH.



Prepared by R C L
Verified by E. C. S

8—486

NOTES

A cloudy day. Flying conditions excellent.

From 7 A.M. this day till 8 A.M. on the 19th the temperature variation was only 1 degree.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

NOV 19 1931

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) , 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	47	47	47	48	48	48	48	48	50	52	54	56
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)							0	0	0	0	0.1	0.1
Wind direction	E	E	E	E	E	E	E	E	E	E	E	E
Wind movement	7	6	8	7	7	7	6	6	9	11	10	8

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	59	59	57	56	55	55	54	53	53	54	60
State of weather: Nature of precipitation and time of beginning and ending							RB 6:20	RB 7:10	RB 8:35			R Cont
Amounts of precipitation							T	T	.01	T	.19	.06
Cloudiness and other conditions												>
Sunshine (in tenths of hours)	0.3	0	0	0	0							
Wind direction	E	E	E	E	E	E	NE	NE	E	E	E	SE
Wind movement	10	11	10	9	8	9	8	8	8	9	11	11

Cloudy

Sunrise: Time, 6:33 Character, Cloudy

Moonrise:

Sunset: Time, 4:20 Character, Cloudy

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
60	47	54	5

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, .26 inches.

Character of day, cloudy Moon phase,

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0.5 Possible sunshine, hours, 9.8

Per cent of possible sunshine, 5

Prevailing wind direction, E Total wind, 204

Average hourly velocity, 8.6 Extreme velocity, 15

Maximum velocity, 15 Direction, E

Time began, 10:59 PM

Reduced barometer, 30.25 7 a. m. 30.09 7 p. m.

River gage, +2.7 feet

Relative humidity, 92 7 a. m. 84 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

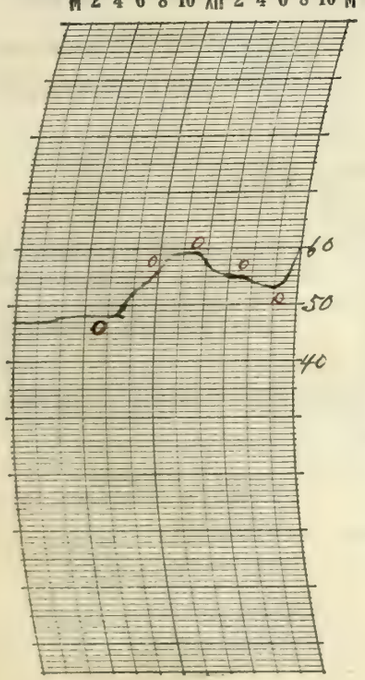
Dry temperature, 56.3 Wet temperature, 52.8

Dew-point, 50 R. humidity, 79 V. pressure, .360

Clouds: Amount, 10; Kind, St. Cu.; Direction, SE

Velocity of clouds (miles per hour)

THERMOGRAPH



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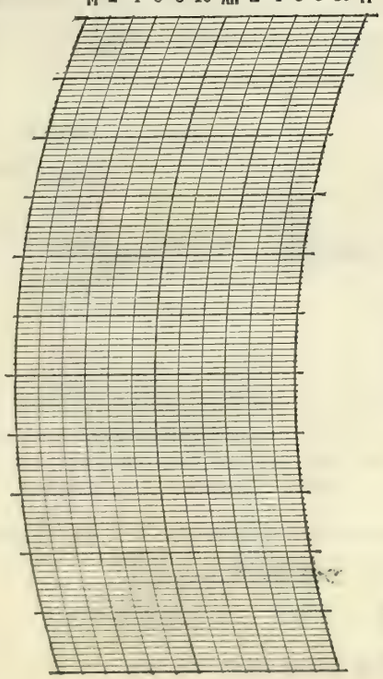
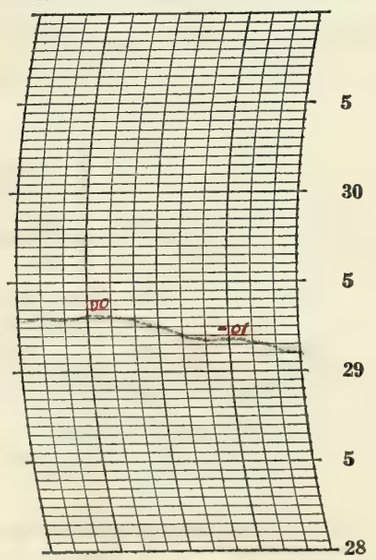


BAROGRAPH.



Prepared by R. C. K.

Verified by L. C. J.

8—486

NOTES

A cloudy day. Flying conditions good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) NOV 20 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	62	63	63	63	63	64	66	65	66	67	66	68
State of weather: Nature of precipitation and time of beginning and ending				RE DNA							RB 10:25 RE 1035	
Amounts of precipitation	T	T	T	.02							T	
Cloudiness and other conditions									Cloudy			
Sunrise: Time, Character,	6:35 Cloudy											
Moonrise:												
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	SE	S	S	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	11	13	13	12	14	16	19	19	19	24	25	25
Maximum velocities (exceeding 24 miles) direction and time										32-SE 9:53	28-S 10:06	28-SE 11:45

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	68	68	69	59	60	62	64	62	60	59	58
State of weather: Nature of precipitation and time of beginning and ending		RB 1:05 RE 2:00			RB 4:40	RE 5:15			RB 8:10	RE 9:05		
Amounts of precipitation		T			.02	T			T	T		
Cloudiness and other conditions												
Sunset: Time, Character,									4:19 Cloudy			
Moonset:												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SE	S	SE	SE	SE	S	SE	S	S	S	S	S
Wind movement	25	20	24	26	26	16	17	21	22	20	16	14
Maximum velocities (exceeding 24 miles) direction and time	28-S 12:54	30-S 1:12	29-SE 2:54	28-SE 3:44	30-S 4:41			25-S 7:55				

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
69	58	64	

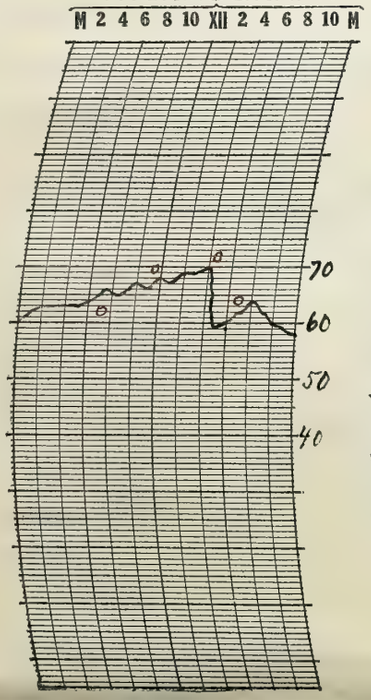
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .28 ins.; to 7 p. m., .02 ins.
Total precipitation, midnight to midnight, .04 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.7
Per cent of possible sunshine, 0
Prevailing wind direction, SE Total wind, 457
Average hourly velocity, 19.0 Extreme velocity, 35
Maximum velocity, 32 Direction, SE
Time began, 9:53 A.M.
Reduced barometer, 29.993 a. m. 29.979 p. m.
River gage, * 4.2 feet
Relative humidity, 80 a. m. 72 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

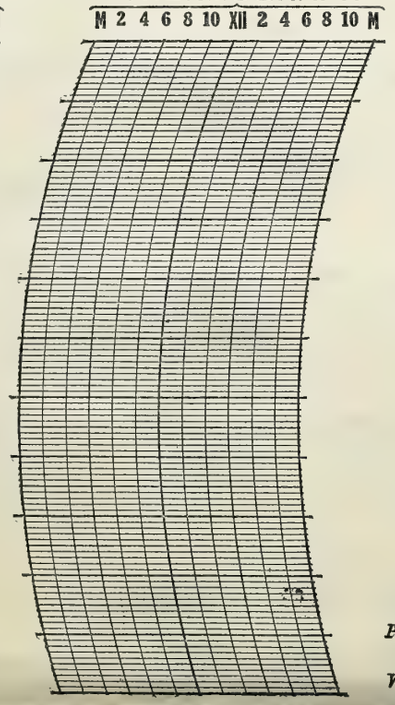
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 68.5 Wet temperature, 60.4
Dew-point, 55 R. humidity, 63 V. pressure, .432
Clouds: Amount, 10; Kind, Stcu; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH



THERMOGRAPH



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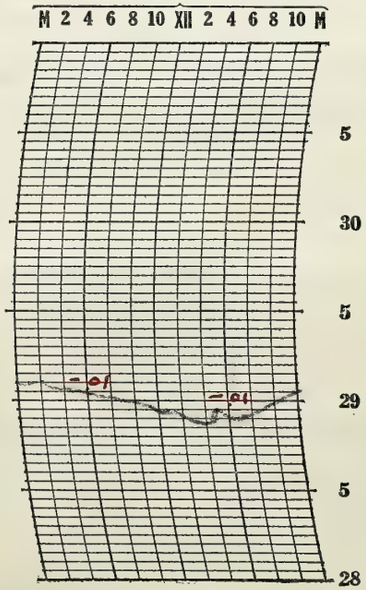


Prepared by R E L

Verified by L. C. S.

NOTES

* River rises raised.

A cloudy day with intermittent rains. Visibility restricted to about two miles by haze. The day was very windy and unsuitable for flying.

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Saturday, (Date) NOV 21 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	55	54	53	53	52	51	52	54	57	60	61	62	62	62	61	59	57	56	54	53	51	52	52
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←		Clear														→		
Sunshine (in tenths of hours)							.40 0	1.0 0	0.3 0.7	1.0	1.0	1.0	1.0	1.0	0.8	0	0							
Wind direction	S	S	S	S	S	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S	S
Wind movement	12	11	9	11	9	11	10	9	9	9	11	9	12	12	10	6	4	4	2	3	2	1	2	3
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 6:36 Character, Clear
Moonrise:

Sunset: Time, 4:18 Character, Cloudy
Moonset:

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

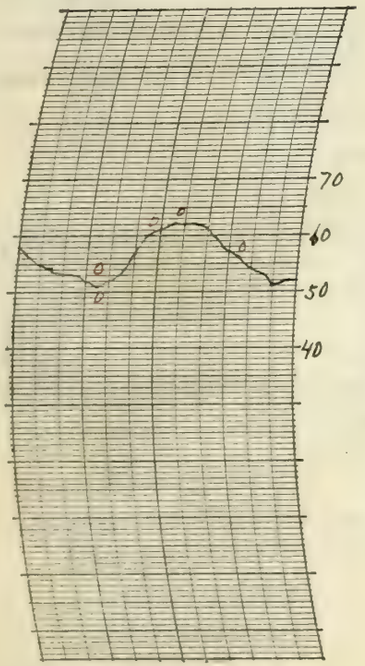
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
62	50	56	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 8.2 Possible sunshine, hours, 9.7
Per cent of possible sunshine, 85
Prevailing wind direction, S, SW Total wind, 181
Average hourly velocity, 7.5 Extreme velocity, 17
Maximum velocity, 15 Direction, SW
Time began, 1:50 P.M.
Reduced barometer, 30.13 a. m. 30.30 p. m.
River gage, 3.8 feet
Relative humidity, 87 a. m. 64 p. m.

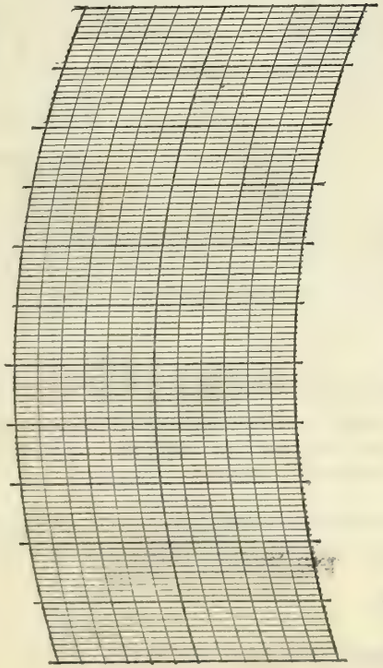
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 61.0 Wet temperature, 53.1
Dew-point, 46 R. humidity, 59 V. pressure, .310
Clouds: Amount, Few; Kind, Ci St.; Direction, SW
Velocity of clouds (miles per hour)

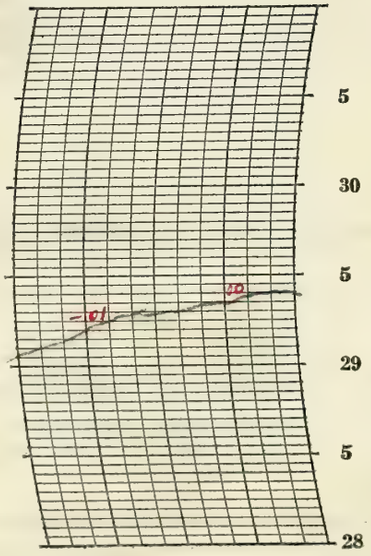
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by R. E. C.

Verified by L. C. S.

8—486

NOTES

A clear pleasant day.
Heavy dew in early morning.
Flying conditions excellent.
At 22° Lunar halo was observed at 8:00 P.M.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) NOV 22, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	52	51	47	48	48	48	48	49	54	59	63	65	66	69	70	68	67	66	64	64	64	63	62	62
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←				Cloudy														→
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0							
Wind direction	SE	SE	E	E	E	E	E	E	E	E	E	SE	SE	SE	S	S	SE	SE	SE	S	S	S	S	S
Wind movement	3	5	5	4	4	7	6	4	4	5	6	7	8	7	8	8	7	7	7	8	7	10	9	7
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 6:37 Character, Cloudy
Moonrise:
Sunset: Time, 4:18 Character, Cloudy
Moonset:

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

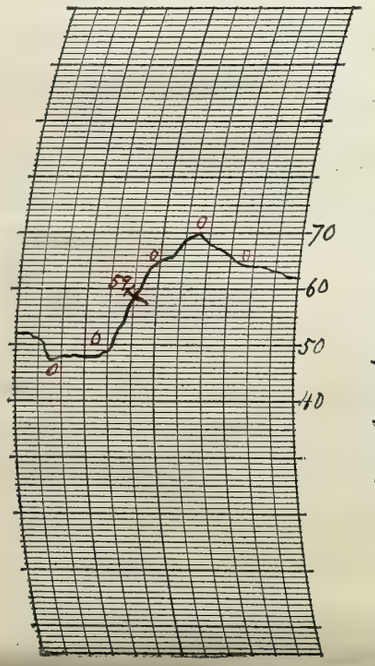
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
70	47	58	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.7
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind, 153
Average hourly velocity, 6.4 Extreme velocity, 11
Maximum velocity, 11 Direction, S
Time began, 9:21 P.M.
Reduced barometer, 30.35 a. m. 30.26 p. m.
River gage, 3.8 feet
Relative humidity, 94 a. m. 80 p. m.

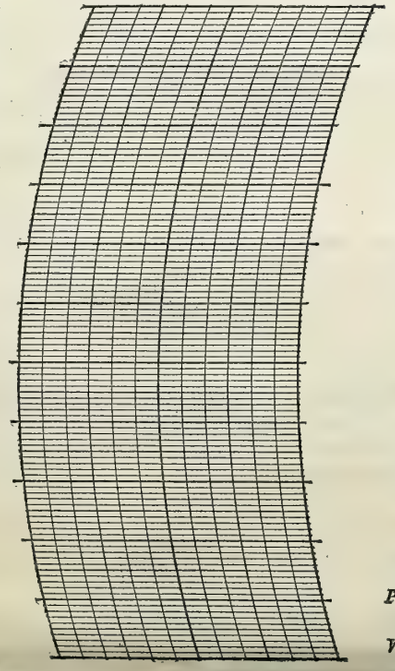
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 65.0 Wet temperature, 60.8
Dew-point, 59 R. humidity, 79 V. pressure, 499
Clouds: Amount, 5; Kind, Strat.; Direction, SE
Velocity of clouds (miles per hour)

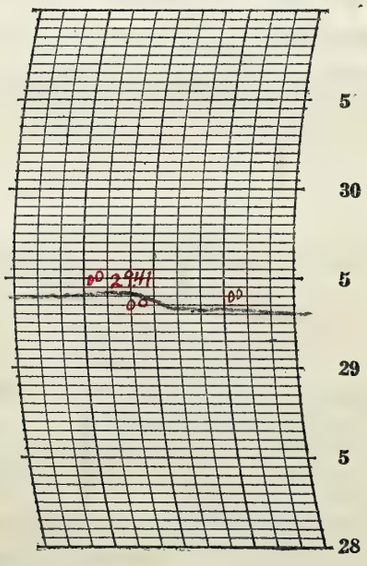
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by R.E.L.

Verified by L.C.S.

NOTES

A cloudy and unseasonably warm day. Flying conditions excellent.

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Monday, (Date) NOV 23 [illegible], 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	61	60	59	58	59	59	58	59	62	66	66	67
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Pt Cloudy				*	Cloudy	
Sunshine (in tenths of hours)							0	0	0	0.4	0.7	0.2
Wind direction	S	S	S	S	S	S	S	S	S	S	S	S
Wind movement	8	7	7	8	8	9	10	7	9	11	13	11

Sunrise: Time, 6:38 Character, Smokey
Moonrise:

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	70	70	70	68	66	64	64	63	63	62	61	61
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			*	Pt Cloudy			*	Clear		→		
Sunshine (in tenths of hours)	0.4	0.9	0.3	0	0							
Wind direction	S	S	S	S	S	SE	SE	SE	SE	S	S	S
Wind movement	14	13	11	11	10	10	10	13	14	13	12	11

Sunset: Time, 4:17 Character, Cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

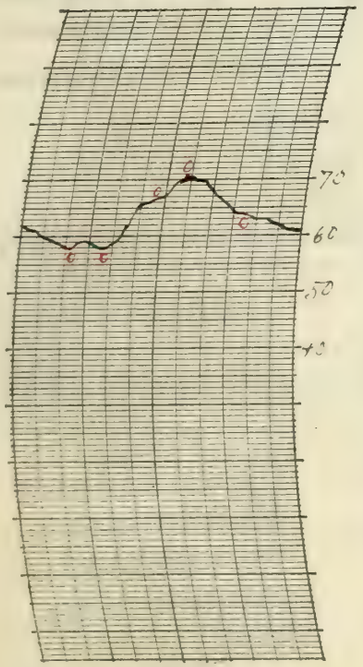
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
71	58	64	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day Part Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 2.9 Possible sunshine, hours, 9.6
Per cent of possible sunshine, 30
Prevailing wind direction, S Total wind, 250
Average hourly velocity, 10.4 Extreme velocity, 18
Maximum velocity, 17 Direction, S
Time began, 12:52 P.M.
Reduced barometer, 30.22 a. m. 30.05 p. m
River gage, * 2.5 feet
Relative humidity, 88 a. m. 77 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 67.0 Wet temperature, 61.6
Dew-point, 57 R. humidity, 71 V. pressure, .465
Clouds: Amount, 9; Kind, Strat; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH



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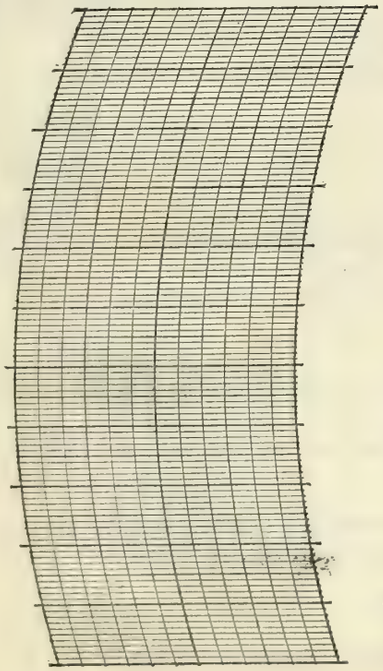
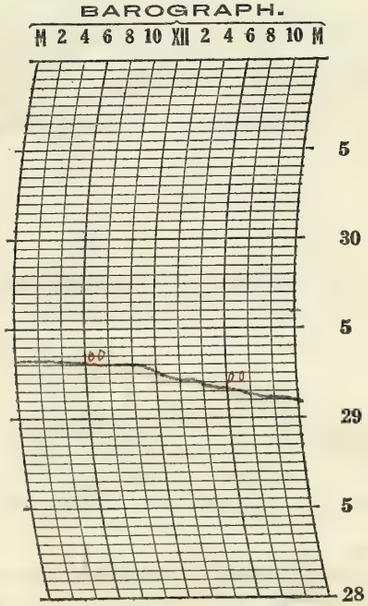


BAROGRAPH.



Prepared by REK

Verified by L.C.J

8—486

NOTES

* Rollers Lowered.

a part cloudy, unseasonably warm day. Flying conditions good.

Dense smoke settled over the city from early morning to 9:00 a.m.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) NOV 24 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	61	60	60	61	61	62	63	63	62	60	60	60
State of weather: Nature of precipitation and time of beginning and ending								R 7:30				
Amounts of precipitation								T	.03	.04	T	.01
Cloudiness and other conditions								Cloudy				
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	S	S	S	S	S	S	S	S	S	S	S	SW
Wind movement	13	14	14	15	14	13	17	17	18	17	18	16

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	56	52	48	44	41	39	36	35	34	33	32
State of weather: Nature of precipitation and time of beginning and ending	R E 12:15											
Amounts of precipitation	T											
Cloudiness and other conditions								Pt cldy	Cldy			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	SW	SW	SW	W	W	SW	SW	W	W	W	W
Wind movement	16	20	20	16	16	18	17	16	16	15	16	14

Sunrise: Time, 6:39 Character, Cloudy

Moonrise:

Sunset: Time, 4:16 Character, Cloudy

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

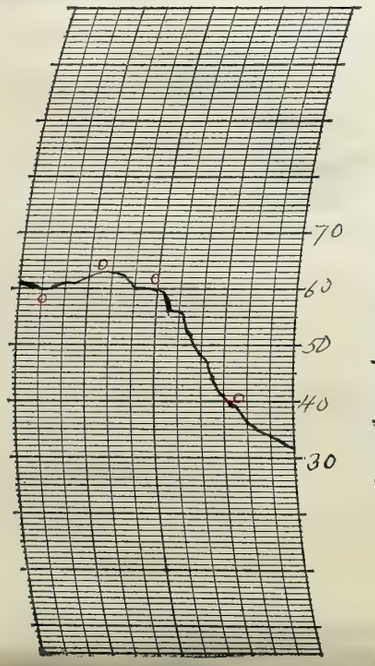
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
63	32	48	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .08 ins.
Total precipitation, midnight to midnight, .08 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.6
Per cent of possible sunshine, 0
Prevailing wind direction, S Total wind, 386
Average hourly velocity, 16.1 Extreme velocity, 24
Maximum velocity, 24 Direction, SW
Time began, 2:38 P.M.
Reduced barometer, 29.86 7 a. m. 29.94 7 p. m.
River gage, 2.5 feet
Relative humidity, 74 7 a. m. 69 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 59.8 Wet temperature, 58.3
Dew-point, 58 R. humidity, 92 V. pressure, .482
Clouds: Amount, 10; Kind, Nb; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH



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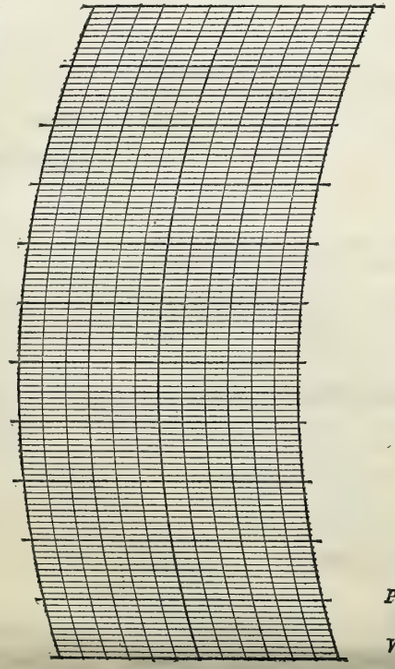
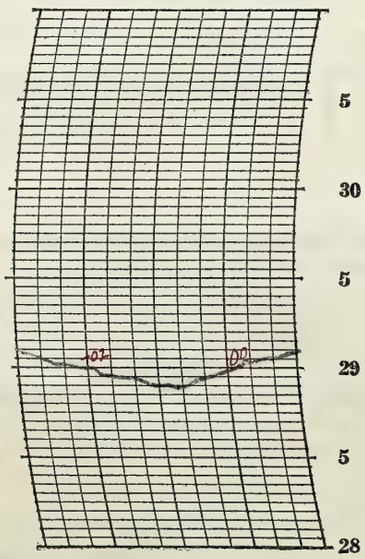


BAROGRAPH.



Prepared by R.E.L.

Verified by L.P.S.

NOTES

A cloudy day with intermittent rain from 7:30 A.M. till noon. The temperature dropped steadily after the A.M. observation. Flying conditions poor till afternoon.

8—486

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Wednesday, (Date) NOV 25 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	32	31	30	30	28	29	28	29	29	29	29	30	31	31	30	29	29	28	28	28	27	26	27
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions																								
Sunshine (in tenths of hours)							0	0	0	0	0	0.2	0.3	0.1	0	0	0							
Wind direction	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	NW	NW	W	W	W	W	SW	SW	SW
Wind movement	14	12	15	16	14	14	12	15	12	14	15	13	13	15	12	12	8	6	7	6	5	4	4	4
Maximum velocities (exceeding 24 miles) direction and time																								

← Cloudy × Part Cldy × Clear →

Sunrise: Time, 6:41 Character, Cloudy
Moonrise:

Sunset: Time, 4:16 Character, Cloudy
Moonset:

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

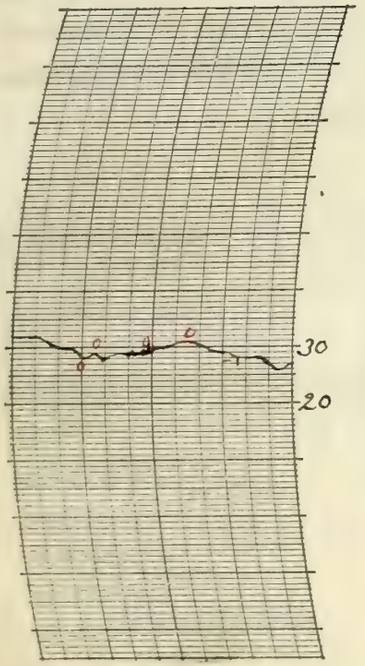
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
32	26	29	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Part cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 0.6 Possible sunshine, hours, 9.6
Per cent of possible sunshine, 6
Prevailing wind direction, W Total wind, 262
Average hourly velocity, 10.9 Extreme velocity, 22
Maximum velocity, 21 Direction, W
Time began, 7:22 a.m.
Reduced barometer, 30.17 7 a. m. 30.42 7 p. m.
River gage, 2.2 feet
Relative humidity, 71 7 a. m. 70 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 29.0 Wet temperature, 26.5
Dew-point, 22 R. humidity, 72 V. pressure, .113
Clouds: Amount, 5; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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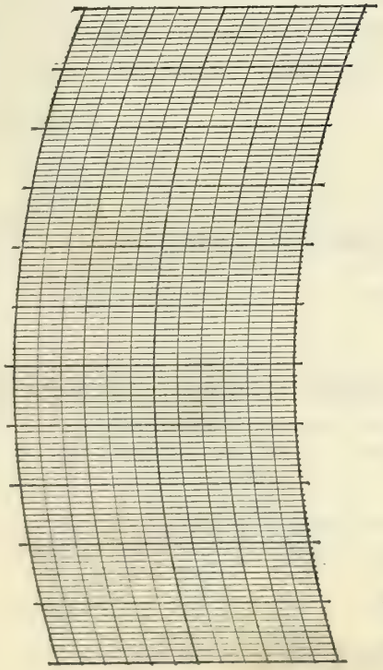
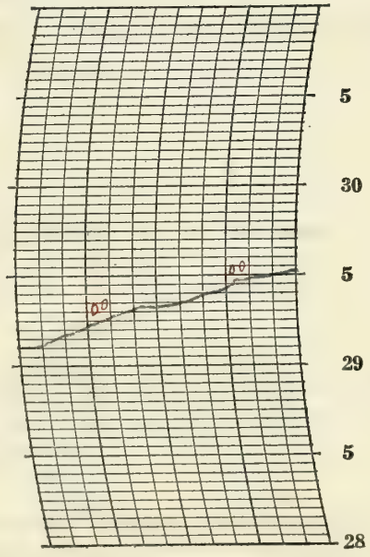


BAROGRAPH.



Prepared by R.E.L.

Verified by L.C.S.

8—486

NOTES

R cool, part cloudy day.
Flying conditions good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) NOV 26 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	27	26	26	25	24	24	24	27	30	32	34	34
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Part cloudy				→ Cloudy		
Sunrise: Time, Character,	6:42 cloudy											
Moonrise:												
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S
Wind movement	4	3	3	5	3	3	1	2	1	2	2	4

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	34	34	34	34	34	34	33	33	33	33	33
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions									→			
Sunset: Time, Character,									4:15 cloudy			
Moonset:												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SE	SE	SE	SE	SE	E	E	E	E	E	E	E
Wind movement	4	5	5	4	5	6	5	7	6	7	6	5

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

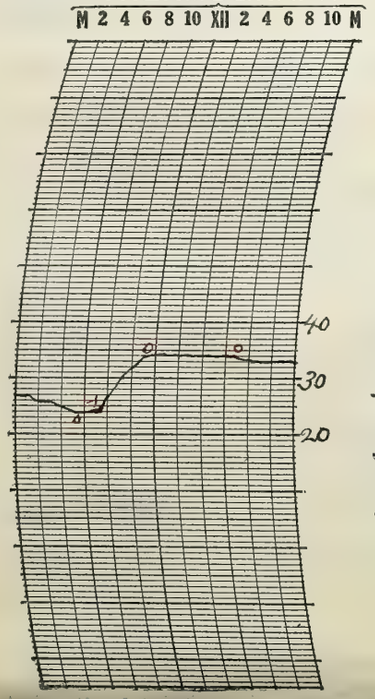
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
34	24	29	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, cloudy. Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0 Possible sunshine, hours, 9.6
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind, 98
Average hourly velocity, 4.1 Extreme velocity, 9
Maximum velocity, 9 Direction, E
Time began, 8:54 P.M.
Reduced barometer, 30.59 a. m. 30.55 p. m.
River gage, 1.9 feet
Relative humidity, 94 a. m. 67 p. m.

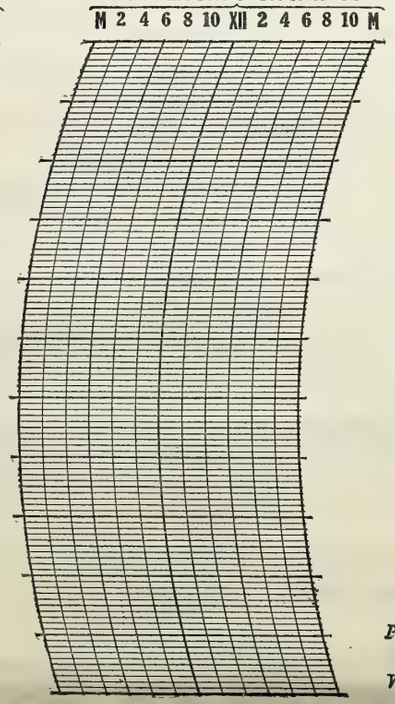
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 34.1 Wet temperature, 29.0
Dew-point, 20 R. humidity, 52 V. pressure, .103
Clouds: Amount, 10; Kind, A.St.; Direction, SW
Velocity of clouds (miles per hour)

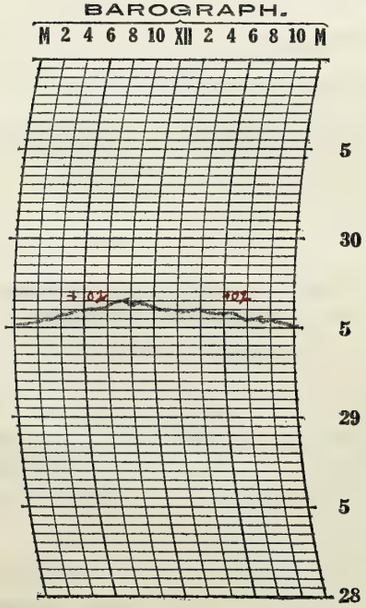
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by UEG2

Verified by L.P.S.

NOTES

A cool cloudy day. Flying conditions fair.

S—456

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) Friday, (Date) NOV 27 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	30	30	30	29	30	30	30	30	33	34	33
Nature of precipitation and time of beginning and ending	SMB DNA								SME 8:40			
Amounts of precipitation	.01	.03	.04	.05	.04	.04	.02	T	T			
Cloudiness and other conditions					Cloudy →				* Part Cloudy			
Sunshine (in tenths of hours)							0	0	0	0.6	1.0	0
Wind direction	E	NE	NE	NE	NE	NE	N	N	NE	NE	NE	NE
Wind movement	4	4	5	4	6	7	5	7	6	7	7	6

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	34	34	34	34	33	32	32	32	32	32	32
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	* Cloudy →					* Clear →						
Sunshine (in tenths of hours)	0.8	0.1	0	0	0							
Wind direction	NE	NE	NE	NE	NE	E	E	SE	SE	SE	SE	S
Wind movement	5	6	5	4	4	6	6	4	4	3	3	2

State of weather.

Sunrise: Time, 6:43 Character, Cloudy
Moonrise:

Sunset: Time, 4:15 Character, Cloudy
Moonset:

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
35.0	29	32	

Total depth of snow for 24 hours ending 7 p. m., 2.3 inches.
Snow, sleet, and hail on ground 7 p. m., 1.0 inches.
Total snowfall, midnight to midnight, 2.3 inches.
Precipitation to 7 a. m., .23 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .23 inches.
Character of day Part Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 2.5 Possible sunshine, hours, 9.5
Per cent of possible sunshine, 26
Prevailing wind direction, NE Total wind, 120
Average hourly velocity, 5 Extreme velocity, 10
Maximum velocity, 10 Direction, NE
Time began, 4:54 a.m.
Reduced barometer, 30.467 a. m. 30.427 p. m.
River gage, 1.7 feet
Relative humidity, 98 a. m. 90 p. m.

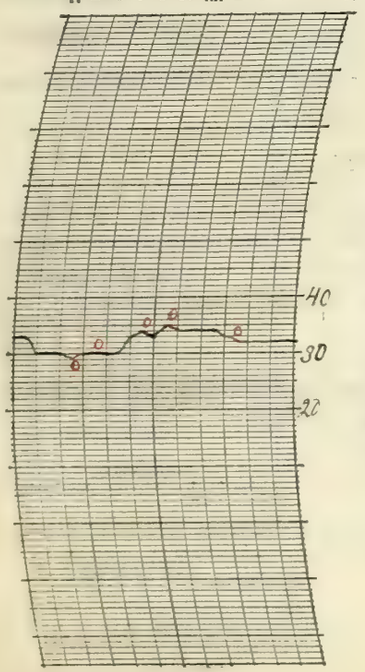
Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 33.0 Wet temperature, 31.0
Dew-point, 28 R. humidity, 80 V. pressure, .150
Clouds: Amount, 4; Kind, 4 Cu; Direction, E
Velocity of clouds (miles per hour)

THERMOGRAPH



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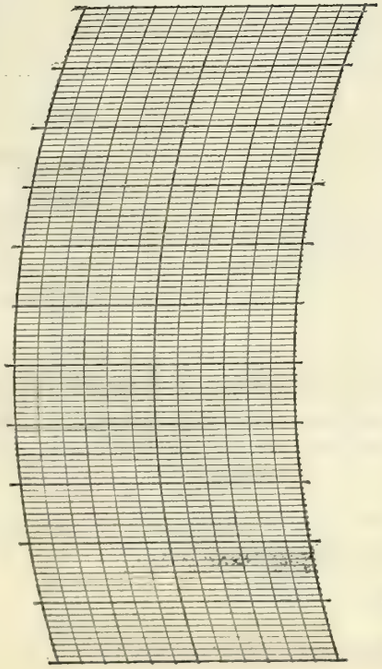
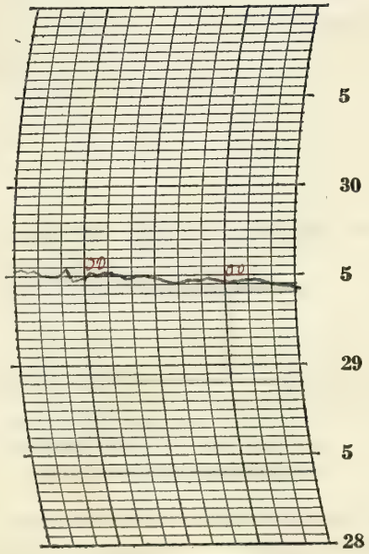


BAROGRAPH.



Prepared by R E L

Verified by L C S

8—486

NOTES

First measurable amount of snow of the season fell on this date. Streets were slightly slippery as a result until noon.

Flying conditions fair.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) NOV 28 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	32	32	32	31	31	30	31	32	32	32	33	32	32	32	32	32	32	31	31	31	31	31	31
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←					Cloudy										→			
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0							
Wind direction	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	SW	SW	SW	SW	SW	SW
Wind movement	2	2	2	4	4	6	4	5	6	5	5	5	6	7	6	6	6	5	6	6	6	5	6	6

Sunrise: Time, 6:44 Character, Cloudy

Moonrise:

Sunset: Time, 4:15 Character, Cloudy

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
33	30	32	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 1.0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 9.5

Per cent of possible sunshine, 0

Prevailing wind direction, SW Total wind, 121

Average hourly velocity, 5.0 Extreme velocity, 9

Maximum velocity, 9 Direction, SW

Time began, 8:07 P.M.

Reduced barometer, 30.337 a. m. 30.20 p. m.

River gage, 2.5 Feet

Relative humidity, 95 a. m. 84 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

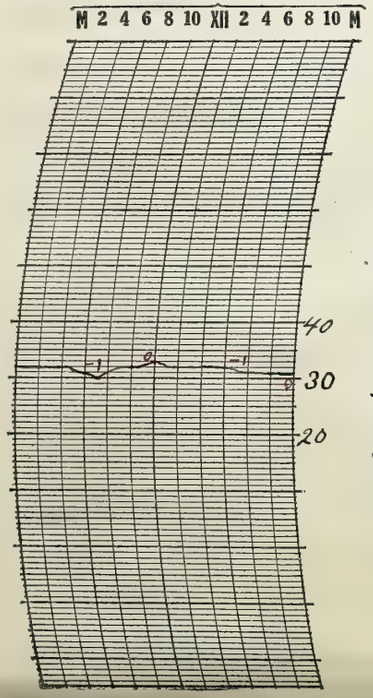
Dry temperature, 33.0 Wet temperature, 31.5

Dew-point, 29 R. humidity, 85 V. pressure, .157

Clouds: Amount, 10; Kind, St; Direction, SW

Velocity of clouds (miles per hour)

THERMOGRAPH



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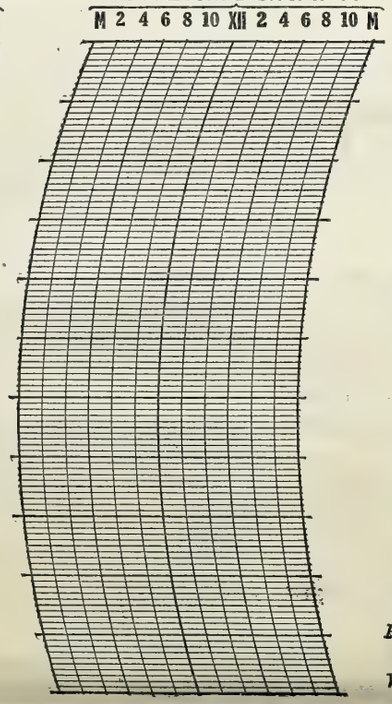
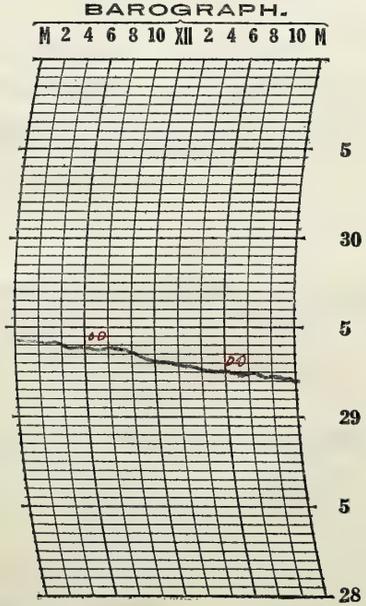


BAROGRAPH.



Prepared by R.C.L.

Verified by L.C.S.

NOTES

A cool, cloudy day. Flying conditions good.

8—486

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

NOV 29 1931

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) , 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	32	32	32	32	32	32	32	32	33	34	34	34	35	35	35	35	35	35	35	35	35	35	35
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions																								
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S	S	S	SW	SW	SW	S	S	SW
Wind movement	6	6	6	6	6	6	6	6	6	7	6	6	5	4	6	6	5	4	4	5	5	5	4	6

Cloudy

Sunrise: Time, 6:45 Character, Cloudy

Moonrise:

Sunset: Time, 4:14 Character, Cloudy

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

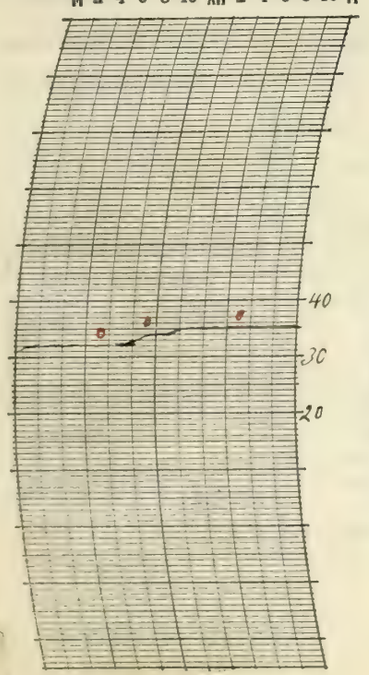
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
35	31	33	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.5
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind, 132
Average hourly velocity, 5.5 Extreme velocity, 9
Maximum velocity, 9 Direction, SW
Time began, 9:20 A.M.
Reduced barometer, 30.12 7 a. m. 29.97 7 p. m.
River gage, 1.5 feet
Relative humidity, 92 7 a. m. 84 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 33.8 Wet temperature, 32.3
Dew-point, 30 R. humidity, 86 V. pressure, .164
Clouds: Amount, 10; Kind, St; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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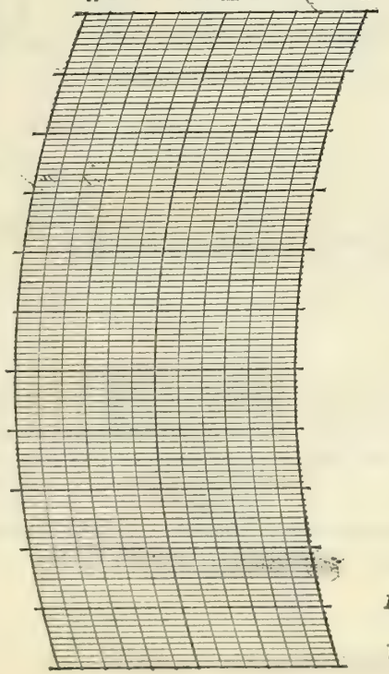
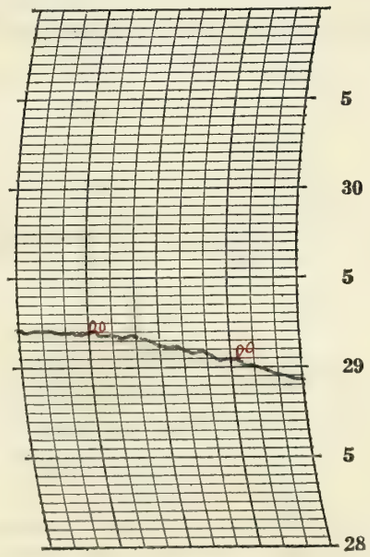


BAROGRAPH.



Prepared by P.E.L.

Verified by L.C.S.

8—486

NOTES

A cool cloudy day. Flying conditions excellent.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) NOV 30 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	35	35	35	35	36	36	38	38	38	38	39
State of weather: Nature of precipitation and time of beginning and ending	RB DNA RE DNA											RB 11:00 RE 11:30
Amounts of precipitation	T											T
Cloudiness and other conditions	← Cloudy											
Sunrise: Time, 6:46 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	6	8	8	10	9	11	11	12	13	16	14	15

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	40	40	40	40	40	40	40	38	38	38	37	36
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	→											
Sunset: Time, 4:14 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	W	W	SW	SW	W	W
Wind movement	16	16	15	13	12	11	11	13	11	12	12	9

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

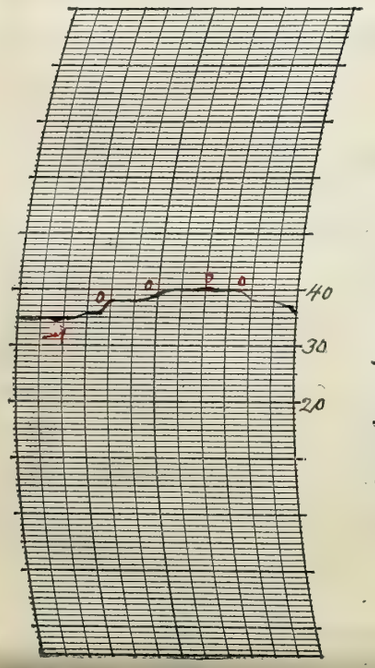
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
40	34	37	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.5
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind, 284
Average hourly velocity, 11.8 Extreme velocity, 20
Maximum velocity, 19 Direction, SW
Time began, 1:07 P.M.
Reduced barometer, 29.83 a. m. 29.99 p. m.
River gage, 1.5 feet
Relative humidity, 87 a. m. 66 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 38.6 Wet temperature, 37.0
Dew-point, 35 R. humidity, 87 V. pressure, .203
Clouds: Amount, 10; Kind, St Cu; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH



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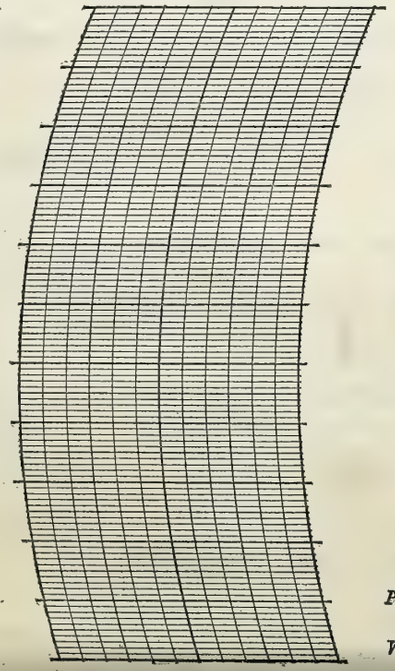
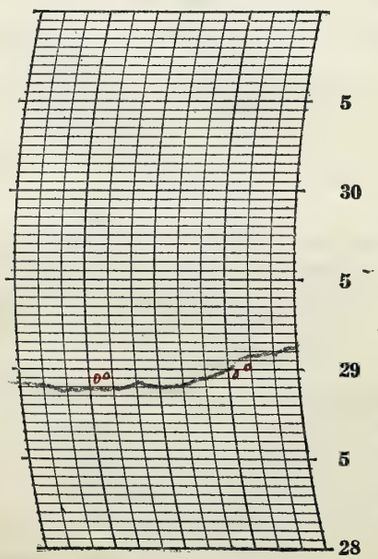


BAROGRAPH.



Prepared by RCL

Verified by L.C.S.

NOTES

A cloudy day. Flying conditions excellent.

8—456

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

FORM NO. 1014—MOT 1

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) DEC 1 1925, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	33	32	31	31	32	31	30	32	34	34	34	33	33	33	32	32	31	31	31	30	29	26	26
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Cloudy		→ Partly		← Cloudy						→ Partly		← Cloudy		→			
Sunrise: Time, 6:47 Character, Cloudy																					Sunset: Time, 4:14 Character, Cloudy			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)							0	0	0	0.3	0.1	0	0	0	0	0	0							
Wind direction	W	SW	SW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	SW	SW
Wind movement	9	9	9	9	8	8	8	8	8	9	14	14	16	13	14	12	11	11	13	9	6	5	5	7
Maximum velocities (exceeding 24 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

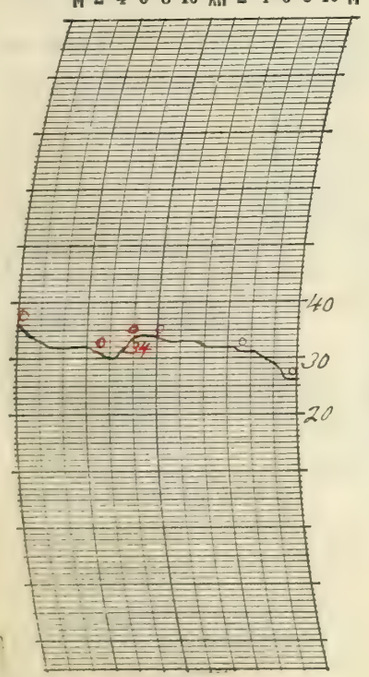
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
36	26	31	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 0.4 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 4
Prevailing wind direction, W Total wind, 235
Average hourly velocity, 9.8 Extreme velocity, 22
Maximum velocity, 20 Direction, W
Time began, 6:18P
Reduced barometer, 30.227 a. m. 30.46 p. m.
River gage, +1.3 feet
Relative humidity, 74 a. m. 63 p. m.

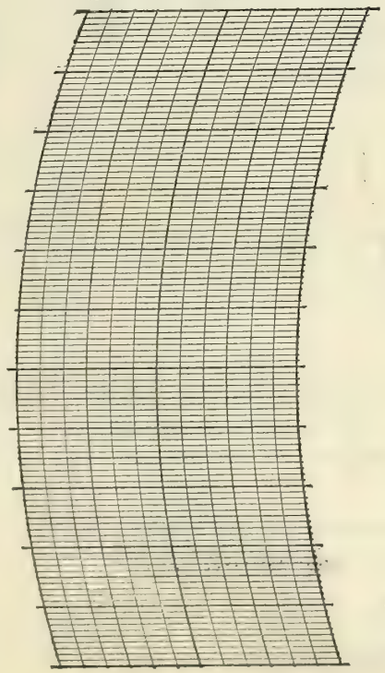
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 34.0 Wet temperature, 30.9
Dew-point, 27 R. humidity, 71 V. pressure, .143
Clouds: Amount, 10; Kind, Strat; Direction, W
Velocity of clouds (miles per hour)

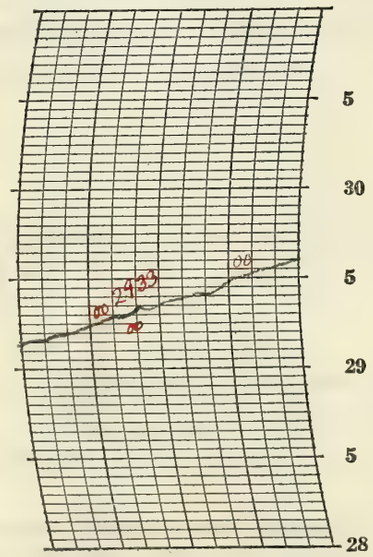
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by REL

8—486

NOTES

A Cool cloudy day + flying conditions excellent.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) DEC 2 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	26	26	26	25	25	24	24	27	30	34	36	37
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							←			Clear		
Sunrise: Time, 6:48 Character, Clear												
Moonrise:												
Sunshine (in tenths of hours)							.20 0	1.0 0	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	5	5	4	4	3	5	5	4	3	4	7	8
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	39	40	40	38	36	36	35	34	33	32	32	31
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions									→			
Sunset: Time, 4:13 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	1.0	1.0	1.0	0	0							
Wind direction	SW	SW	SW	SW	SW	S	SW	S	SW	S	S	S
Wind movement	9	9	8	7	5	5	6	6	6	5	7	7
Maximum velocities (exceeding 24 miles) direction and time												

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
40	24	32	

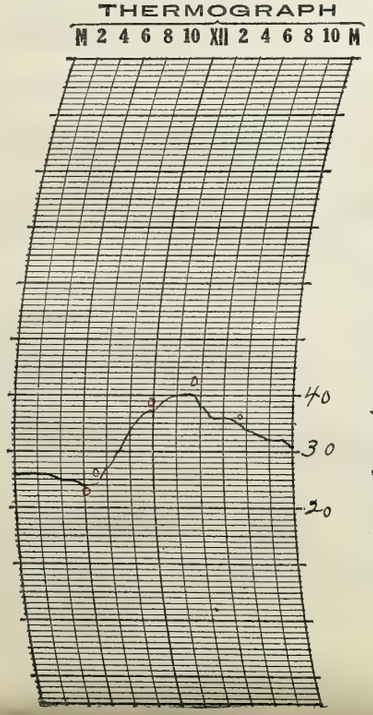
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 8.2 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 87
Prevailing wind direction, SW Total wind, 137
Average hourly velocity, 5.7 Extreme velocity, 11
Maximum velocity, 11 Direction, SW
Time began, 11:43 A.
Reduced barometer, 30.63 a. m. 30.53 p. m.
River gage, +1.3 feet
Relative humidity, 77 a. m. 64 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

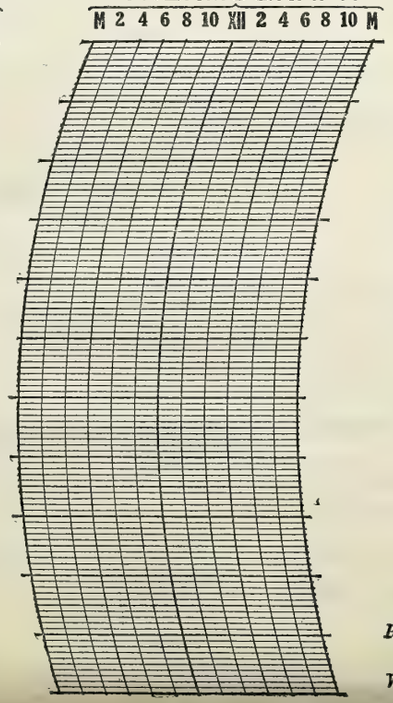
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 37.0 Wet temperature, 32.6
Dew-point, 24 R. humidity, 58 V. pressure, .124
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

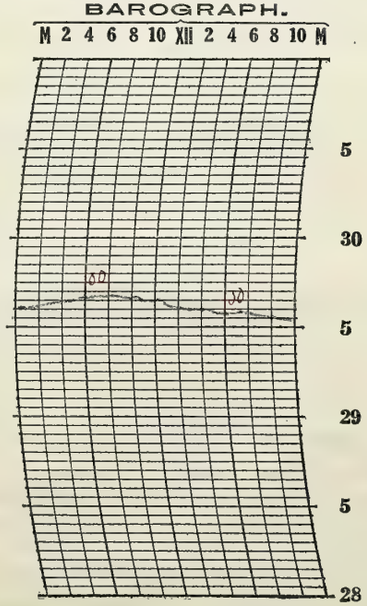
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by R E L

8—486

NOTES

a Clear beautiful day 7 flying conditions excellent

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) DEC 3 1931, 193

Time (local standard) ___ mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	30	30	29	29	28	28	28	30	32	36	40	44	46	48	47	45	45	44	43	42	43	43	42	40
State of weather. Nature of precipitation and time of beginning and ending																								RB DNP
Amounts of precipitation																								0.15
Cloudiness and other conditions							←			Clear			×		Partly									→
Sunshine (in tenths of hours)							.18 0	1.0 0	0.5 0.5	1.0	1.0	1.0	1.0	1.0	0.1	0	0							
Wind direction	S	S	S	SW	SW	S	SW	S	SW	SW	SW	SW	S	S	S	S	S	SE	SE	SE	SE	SE	SE	S
Wind movement	7	9	8	6	6	7	6	5	6	7	7	5	6	7	6	5	4	4	5	5	6	5	5	2

Sunrise: Time, 6:49 Character, Clear
Moonrise:
Sunset: Time, 4:13 Character, Cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

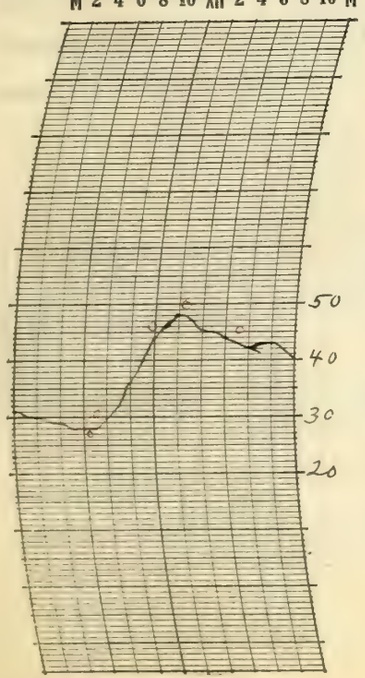
Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
48	28	38	

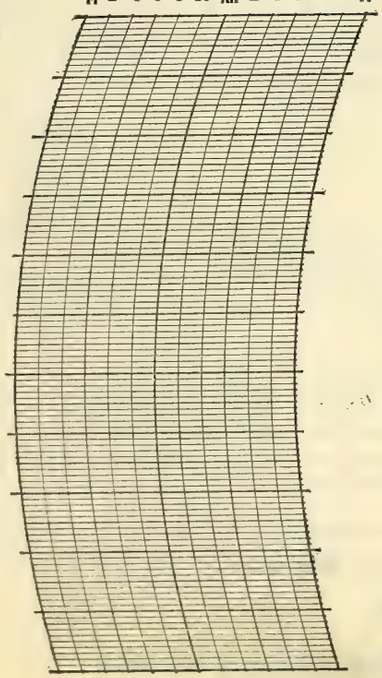
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0.15 inches.
*Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 7.3 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 78
Prevailing wind direction, S Total wind, 139
Average hourly velocity, 5.8 Extreme velocity, 11
Maximum velocity, 11 Direction, S
Time began, 8:46a
Reduced barometer, 30.38 7 a. m. 30.15 7 p. m.
River gage, +1.5 feet
Relative humidity, 74 7 a. m. 61 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 44.0 Wet temperature, 36.5
Dew-point, 26 R. humidity, 47 V. pressure, .136
Clouds: Amount, 3; Kind, Cist; Direction, W
Velocity of clouds (miles per hour)

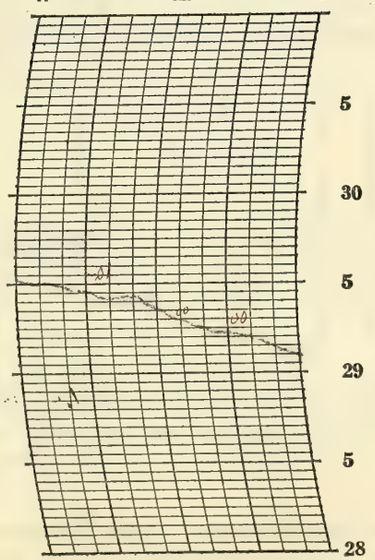
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by [illegible]

8—486

NOTES

* Hourly amounts estimated F.B. not in a pleasant clear day. Very suitable for flying.
Special Observation sent to Chicago account drop of .12 in pressure in three hours.
× Hourly amounts estimated

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) DEC 4 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	39	40	39	40	40	40	39	39	39	39	39	39	38	37	36	37	36	36	36	35	34	34	34	34
State of weather: Nature of precipitation and time of beginning and ending	Rain																RE 4:40							
Amounts of precipitation	0.11	0.9	0.7	0.4	.05	.03	T	T	T	.01	T	T	.01	.01	.01	.02	T							
Cloudiness and other conditions								Cloudy																
Sunrise: Time, 6:50 Character, Cloudy																					Sunset: Time, 4:13 Character, Cloudy			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0							
Wind direction	S	W	E	E	E	SE	SW	SW	SW	SW	SW	W	W	W	W	W	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	2	3	3	2	4	4	5	7	8	10	9	11	9	11	11	9	11	14	11	11	9	8	9	7
Maximum velocities (exceeding 24 miles) direction and time																								

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
40	34	37	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m. 0.54 ins.; to 7 p. m., 0.6 ins.
*Total precipitation, midnight to midnight, 0.45 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 0
Prevailing wind direction, NW Total wind, 188
Average hourly velocity, 7.8 Extreme velocity, 18
Maximum velocity, 18 Direction, NW
Time began, 5:18 P
Reduced barometer, 29.83 a. m. 30.11 p. m.
River gage, +1.7 Feet
Relative humidity, 100 a. m. 95 p. m.

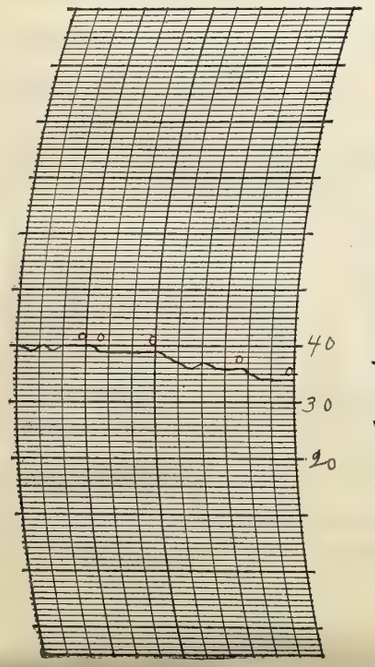
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

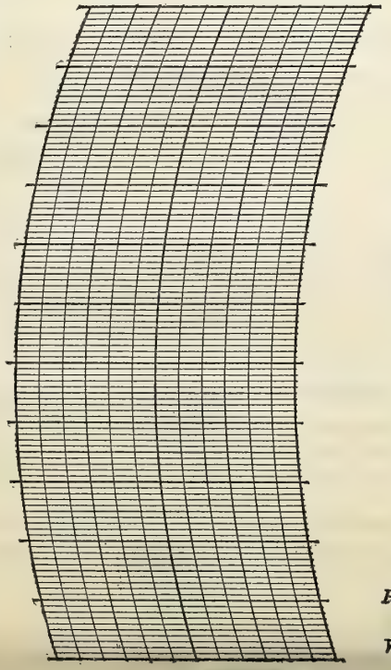
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 39.3 Wet temperature, 38.8
Dew-point, 38 R. humidity, 96 V. pressure, .228
Clouds: Amount, 10; Kind, St-Cu; Direction, W
Velocity of clouds (miles per hour)

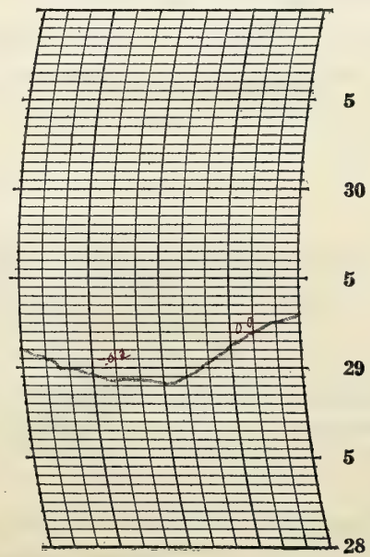
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by REL

NOTES

* Hourly amounts estimated to 7:00 A.M. H.B. put in at 7:00 A.M. Ceiling and visibility zero as result of dense fog to 8:20 A.M. Flying conditions poor entire day. Mail delivery by plane from South Bend cancelled.

x Hourly amounts estimated

8—486

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) ~~Fort Wayne, Ind.~~, (Day of week) Saturday, (Date) DEC 8 1928, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	32	32	32	32	32	32	31	31	31	31	31	31	31	31	32	32	32	32	32	33	33	34	34
State of weather: Nature of precipitation and time of beginning and ending							RB 6:10 RE 6:30						SM B 12:30	SM E 1:30	SM B 2:45		SM E 4:55							
Amounts of precipitation							T						T	T	T	T	T							
Cloudiness and other conditions							← Cloudy →																	
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0							
Wind direction	NW	N	N	NE	NE	NE	NE	NE	E	E	E	E	E	E	E	E	E	E	E	E	SE	SE	SE	S
Wind movement	8	8	7	7	8	7	9	8	9	8	10	10	10	6	4	8	7	5	5	6	9	7	7	8
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 6:51 Character, Cloudy
Moonrise:

Sunset: Time, 4:13 Character, Cloudy
Moonset:

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

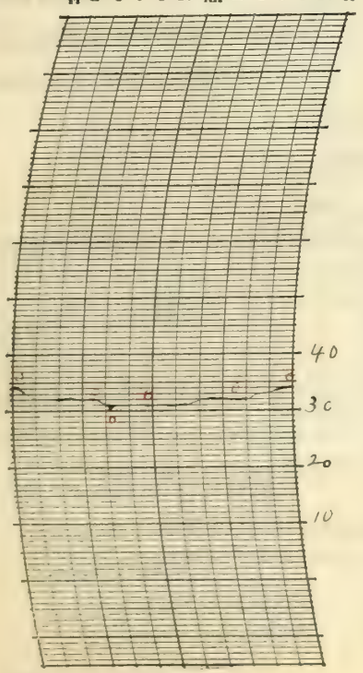
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
34	30	32	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind, 188
Average hourly velocity, 7.8 Extreme velocity, 14
Maximum velocity, 14 Direction, E
Time began, 10:41 A
Reduced barometer, 30.38 7 a. m. 30.29 7 p. m
River gage, +1.5 feet
Relative humidity, 89 7 a. m. 83 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 31.1 Wet temperature, 30.6
Dew-point, 30 R. humidity, 95 V. pressure, .164
Clouds: Amount, 10; Kind, St; Direction, E
Velocity of clouds (miles per hour)

THERMOGRAPH



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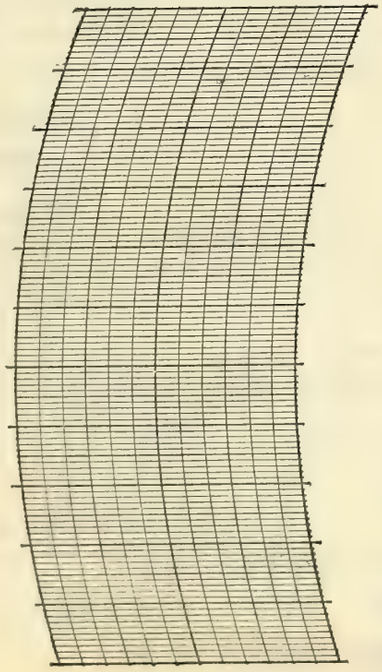
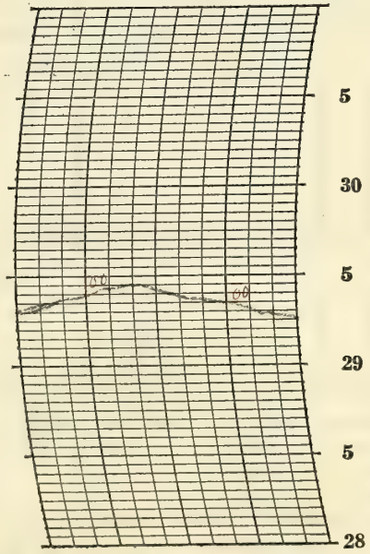


BAROGRAPH.



Prepared by
Verified by

8—486

NOTES

a cool cloudy day 7 lying conditions fair

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) DEC 6 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	34	34	35	36	33	33	32	32	32	32	33
State of weather: Nature of precipitation and time of beginning and ending							RB 6:30A	RE 7:05		SDB 9:30	SDE 10:15	
Amounts of precipitation							T	T		T	T	
Cloudiness and other conditions	Cloudy											
Sunrise: Time, Character,	6:52 Cloudy											
Moonrise:												
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	S	S	S	S	SW	SW	W	W	W	W	SW	SW
Wind movement	9	8	12	10	11	11	15	16	15	16	13	14
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	33	35	35	34	33	33	33	32	32	33	34
State of weather: Nature of precipitation and time of beginning and ending		SDB 1:35 SDE 1:55										
Amounts of precipitation		T										
Cloudiness and other conditions	Cloudy											
Sunset: Time, Character,									4:13 Cloudy			
Moonset:												
Sunshine (in tenths of hours)	0	0	0.3	0.4	0							
Wind direction	SW	SW	W	W	W	W	W	W	SW	SW	SW	SW
Wind movement	15	17	17	19	19	17	14	13	13	13	15	14
Maximum velocities (exceeding 24 miles) direction and time					25-W 4:21							

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
36	32	34	

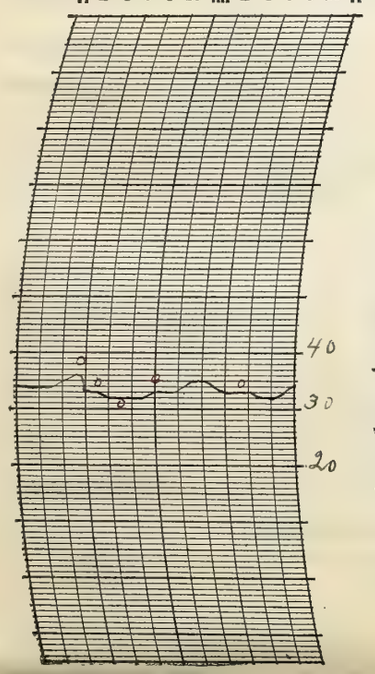
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.7 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 7
Prevailing wind direction, W+SW Total wind, 336
Average hourly velocity, 14.0 Extreme velocity, 26
Maximum velocity, 25 Direction, W
Time began, 4:21P
Reduced barometer, 30.10 7 a. m. 30.20 7 p. m.
River gage, +2.2 feet
Relative humidity, 93 7 a. m. 67 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

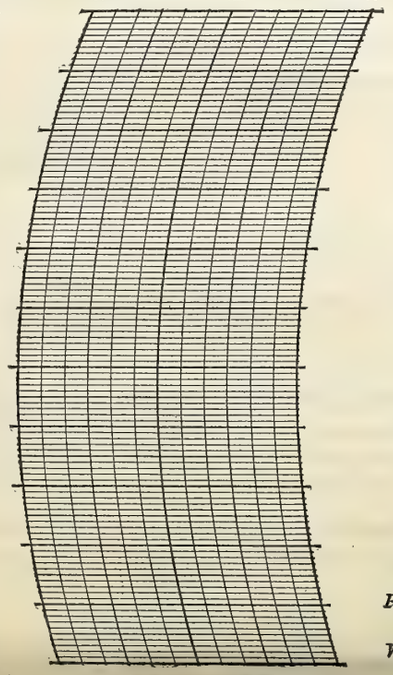
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 33.3 Wet temperature, 31.8
Dew-point, 29 R. humidity, 85 V. pressure, .157
Clouds: Amount, 10; Kind, St-Cu; Direction, SW
Velocity of clouds (miles per hour)

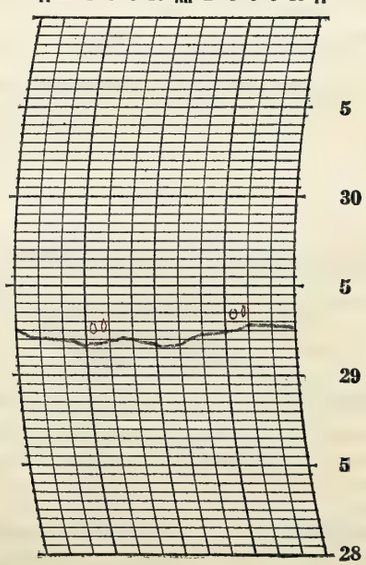
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by CEL

8—486

NOTES

7 lying conditions fair. day was cool and cloudy.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) Monday, (Date) DEC 7 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	33	33	32	32	31	31	30	30	27	27	26
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Cloudy		or Cloudy		→ Clear	
Sunshine (in tenths of hours)							0	0	0.6	1.0	1.0	1.0
Wind direction	SW	SW	W	W	W	W	W	W	NW	NW	NW	NW
Wind movement	12	13	12	14	16	14	14	17	22	22	18	18
Maximum velocities (exceeding 24 miles) direction and time									26 NW 8:56			

Sunrise: Time, 6:53 Character, Cloudy. Moonrise:

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	26	26	26	25	24	24	23	23	23	22	22	21
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions									→			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0 0	.22 0							
Wind direction	NW	NW	NW	N	N	N	N	N	NE	NE	NE	NE
Wind movement	19	17	14	11	7	6	4	5	5	5	4	5

Sunset: Time, 4:13 Character, Clear. Moonset:

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
34	21	25	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 7.8 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 84
Prevailing wind direction, NW Total wind, 294
Average hourly velocity, 12.2 Extreme velocity, 29
Maximum velocity, 26 Direction, NW
Time began, 8:56 A
Reduced barometer, 30.27 7 a. m. 30.57 7 p. m
River gage, +2.4 feet
Relative humidity, 87 7 a. m. 66 7 p. m.

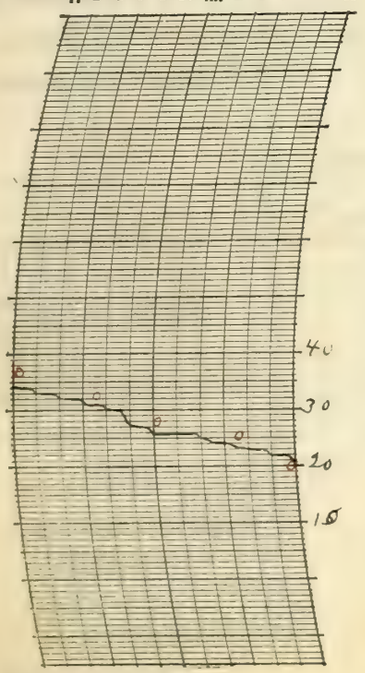
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 26.5 Wet temperature, 23.0
Dew-point, 15 R. humidity, 58 V. pressure, .081
Clouds: Amount, 3; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH



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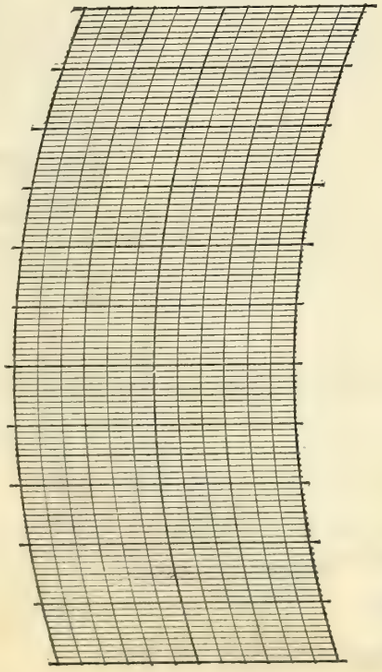
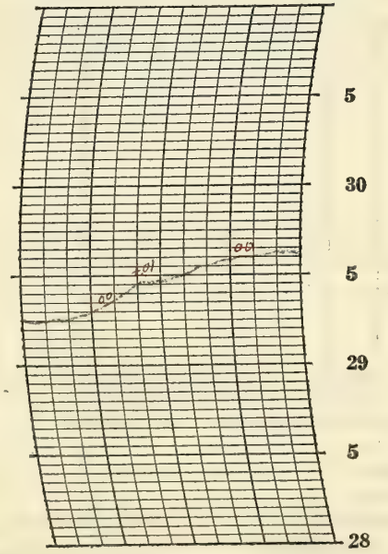


BAROGRAPH.



Prepared by L.C.S.

Verified by C.E.R.

8—486

NOTES

A cool clear day. 7 lying conditions excellent. Special Observation sent to Chicago account of .14 in rise in pressure in three hours.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) DEC 8 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	21	20	20	19	20	20	20	20	22	24	25	26
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Fog				Cloudy	
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	E	E	E	E	E	E	E	E	E	SE	SE	SE
Wind movement	7	9	9	8	8	9	9	10	9	10	11	10

Sunrise: Time, 6:54 Character, Cloudy
Moonrise:

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	27	28	29	29	29	29	29	29	29	29	29	30
State of weather: Nature of precipitation and time of beginning and ending										RB 9:20		RCnld
Amounts of precipitation										.01	.02	.02
Cloudiness and other conditions												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SE	E	E	E	E	E	E	E	E	E	E	E
Wind movement	9	9	9	10	8	8	9	9	9	11	9	8

Sunset: Time, 4:13 Character, Cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

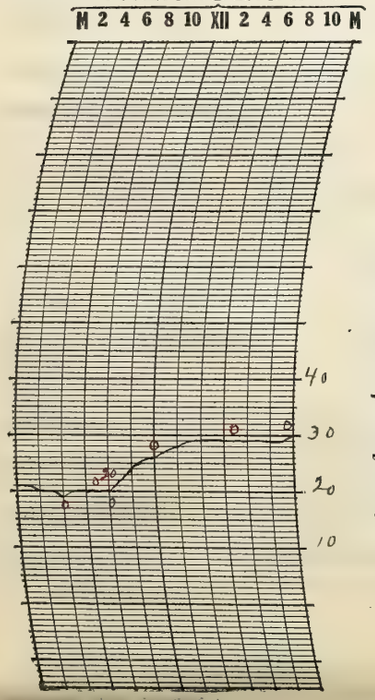
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
30	19	24	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .05 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind, 217
Average hourly velocity, 9.0 Extreme velocity, 14
Maximum velocity, 14 Direction, SE
Time began, 9:56A
Reduced barometer, 30.157 a. m. 30.127 p. m.
River gage, +2.4 feet
Relative humidity, 70 a. m. 58 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)
Dry temperature, 26.5 Wet temperature, 23.0
Dew-point, 15 R. humidity, 58 V. pressure, .081
Clouds: Amount, 10; Kind, St cu; Direction, SE
Velocity of clouds (miles per hour)

THERMOGRAPH



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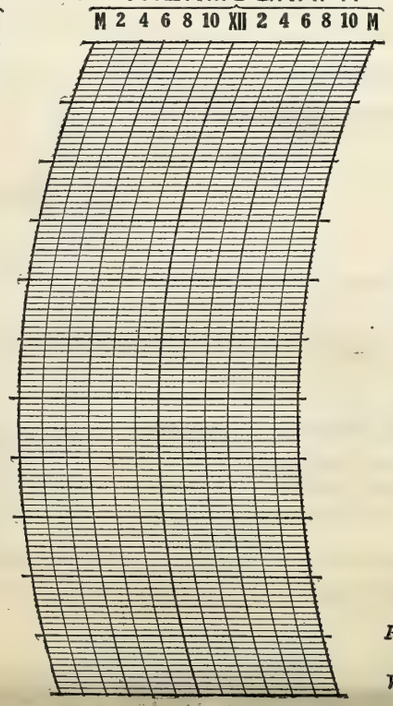
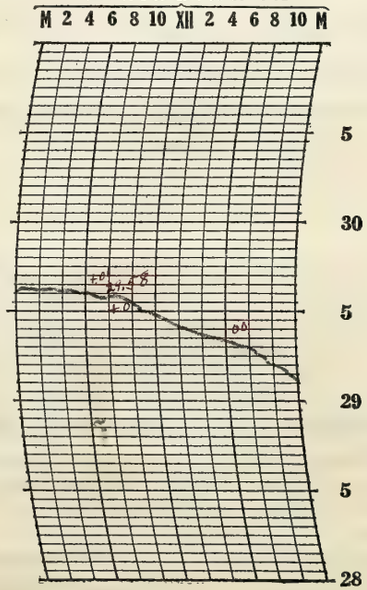


BAROGRAPH.



Prepared by L.C.S.

Verified by RCL

8—456

NOTES

* midnight to midnight estimated
a cool cloudy day. Flying conditions good.
The rain that began at 9:20 P froze as it hit objects and by 10.00 P. streets, sidewalks etc. were covered with a thin sheet of ice. The ice also formed on windshields.
Streets and sidewalks very slippery and nearly impossible to walk or drive between 10.00 P and midnight. The first ice glaze of the winter.

× Hourly amounts estimated

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) DEC 9 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	30	30	32	32	32	33	34	34	36	36	37	38
Nature of precipitation and time of beginning and ending	Rain'd x	x	x	x	x	x				x		
Amounts of precipitation	.05	.10	.03	.04	.02	.01	T	T	T	.01	T	T
Cloudiness and other conditions							Cloudy					
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	E	E	E	E	E	E	SE	S	S	SW	SW	SW
Wind movement	7	7	6	5	5	3	4	6	8	9	10	10

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	37	37 RE 1:35	36	36	36	36	36	36	36	35	35	34
Nature of precipitation and time of beginning and ending												
Amounts of precipitation	T	T										
Cloudiness and other conditions	Cloudy									7		
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	12	11	10	10	9	10	9	9	7	5	8	7

State of weather.

Sunrise: Time, 6:55 Character, Cloudy

Moonrise:

Sunset: Time, 4:13 Character, Cloudy

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
38	30	34	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .30 ins.; to 7 p. m., .01 ins.

Total precipitation, midnight to midnight, 0.26 inches.

*Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 9.3

Per cent of possible sunshine, 0

Prevailing wind direction, SW Total wind, 187

Average hourly velocity, 7.8 Extreme velocity, 14

Maximum velocity, 14 Direction, SW

Time began, 1:28 P

Reduced barometer, 29.87 7 a. m. 30.00 7 p. m.

River gage, +2.2 feet

Relative humidity, 98 7 a. m. 92 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

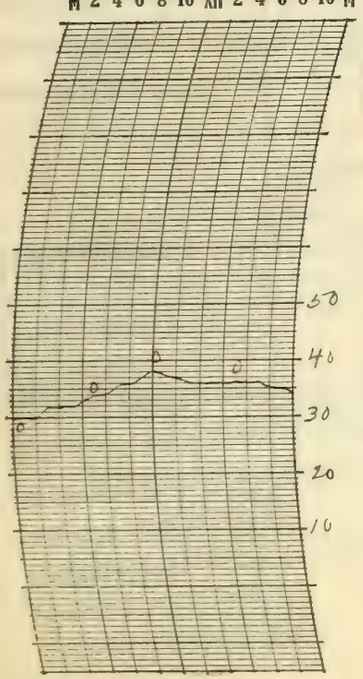
Dry temperature, 38.0 Wet temperature, 37.3

Dew-point, 37 R. humidity, 94 V. pressure, .219

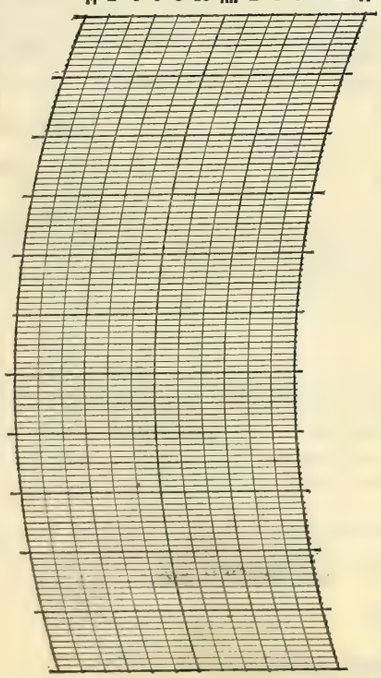
Clouds: Amount, 10; Kind, Strat; Direction, SW

Velocity of clouds (miles per hour)

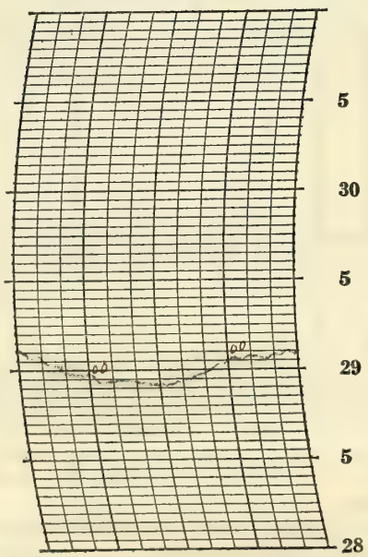
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by R.E.L.

8—486

NOTES

* Midnight to Midnight estimated

The glaze that began on the 8th continued to form until 6 A.M. then became more of a slush.

Streets slippery until about 8:4 A.M. they were wet but no ice except in very few places.

Flying impossible to 9:00 A and poor to 9:45 A as result of fog.

x Hourly amounts estimated

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) DEC 10 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	34	34	35	35	35	36	37	38	39	40	42
State of weather: Nature of precipitation and time of beginning and ending							RB 6:05					RE RB 11:58
Amounts of precipitation							T	T	T	T	T	T
Cloudiness and other conditions											Cloudy	
Sunrise: Time, 6:55 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	SW	SW	SW	SW	SW	S	S	S	S	S	S	S
Wind movement	6	5	6	7	7	7	6	8	8	8	9	10

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	43	43	43	43	43	44	44	44	44	44	44
State of weather: Nature of precipitation and time of beginning and ending				RB 3:40								RButs
Amounts of precipitation				T	T	T	T	T	.01	.02	.04	.06
Cloudiness and other conditions												
Sunset: Time, 4:13 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	S	S	S	S	S	S	SE	SE	SE	SE	S	SE
Wind movement	10	10	8	6	6	7	9	11	13	12	12	13

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
44	34	39	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 0.13 inches. *
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 0
Prevailing wind direction, S Total wind, 204
Average hourly velocity, 8.5 Extreme velocity, 15
Maximum velocity, 15 Direction, SE
Time began, 9:31 P
Reduced barometer, 30.05 7 a. m. 29.98 7 p. m.
River gage, +1.8 feet
Relative humidity, 95 7 a. m. 96 7 p. m.

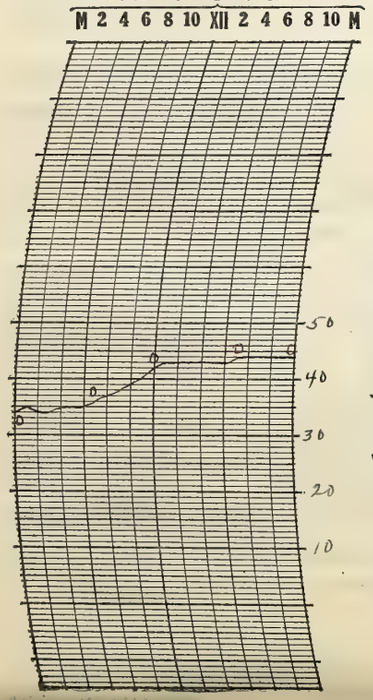
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 41.5 Wet temperature, 41.0
Dew-point, 40 R. humidity, 96 V. pressure, .247
Clouds: Amount, 10 10; Kind, Strat 4 Fog; Direction, S
Velocity of clouds (miles per hour)

THERMOGRAPH



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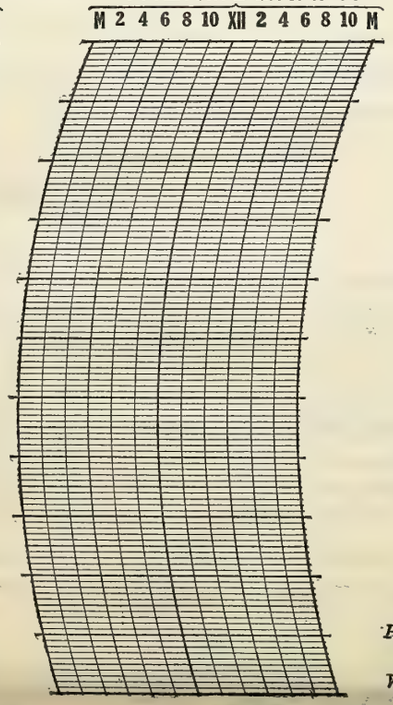
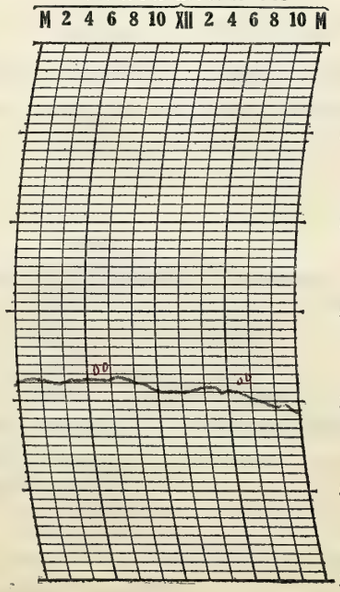


BAROGRAPH.



Prepared by L.C.S.
Verified by R.E.L.

NOTES

* midnight to midnight estimated
All plane flights were cancelled
including the mail plane to South
Bend. It was absolutely impossible
for flying as result of fog.
x Hourly amounts estimated

8—486

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) DEC 1 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	44	44	46	46	46	47	48	51	54	60	61	61
State of weather: Nature of precipitation and time of beginning and ending	Pt cloudy								RE 8:35			
Amounts of precipitation	06	05	06	06	03	02	04	02	01			
Cloudiness and other conditions							← Cloudy				Clear	
Sunshine (in tenths of hours)							0	0	0	0.6	1.0	0.7
Wind direction	SE	S	SE	S	SE	SE	SE	S	S	SW	SW	SW
Wind movement	10	6	12	12	11	13	15	14	16	16	24	21
Maximum velocities (exceeding 24 miles) direction and time											26 SW 10:27	

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	62	62	60	58	57	56	55	53	52	48	46	44
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions		— Pt Cloudy						→				
Sunshine (in tenths of hours)	1.0	0.9	0.7	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W	W
Wind movement	23	21	18	15	12	12	11	10	9	11	9	8
Maximum velocities (exceeding 24 miles) direction and time	27 SW 12:06	25 SW 1:02										

Sunrise: Time, 6:56 Character, Cloudy
Moonrise:

Sunset: Time, 4:15 Character, Cloudy
Moonset:

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
63	44	54	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.43 ins.; to 7 p. m., 0.3 ins.
Total precipitation, midnight to midnight, 0.133 inches.
*Character of day, Pt Cldy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 4.9 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 53
Prevailing wind direction, SW Total wind, 329
Average hourly velocity, 13.7 Extreme velocity, 31
Maximum velocity, 27 Direction, SW
Time began, 12:06 P
Reduced barometer, 29.62 7 a. m. 29.75 7 p. m
River gage, +1.8 feet
Relative humidity, 96 7 a. m. 74 7 p. m.

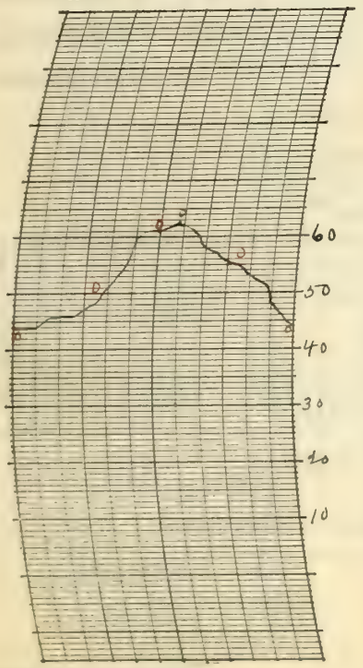
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 61.3 Wet temperature, 55.0
Dew-point, 51 R. humidity, 67 V. pressure, 373
Clouds: Amount, 2; Kind, a Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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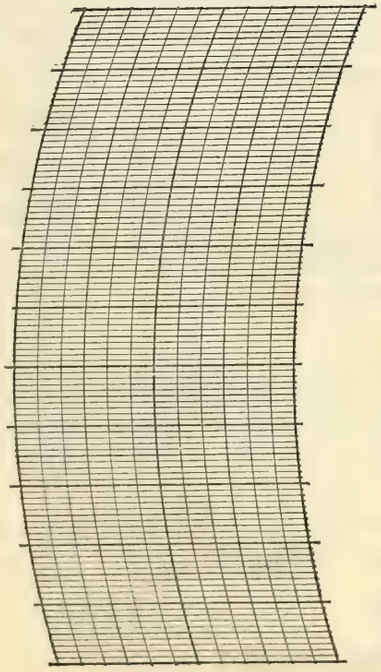
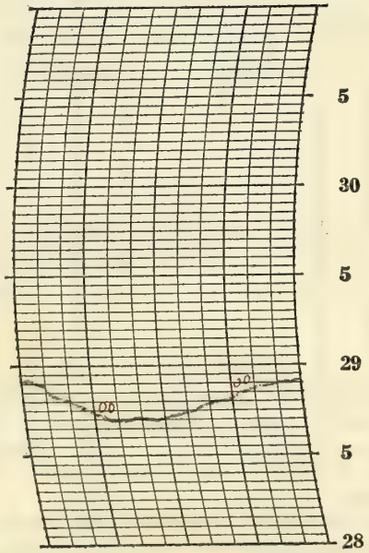


BAROGRAPH.



Prepared by L.C.S.

Verified by REL

8—486

NOTES

* Midnight to Midnight estimated
a part cloudy day and unseasonably warm. Temperature equalled all time high for December.
Wind was fresh to strong from 9:00 AM to 3:00 P.M.
x Hourly amounts estimated

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) DEC 12 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	42	40	39	38	36	35	34	34	38	41	44	46	47	49	48	47	45	43	42	40	39	38	38	38
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear						Pt Cldy											
Sunrise: Time, 6:57 Character, Clear																					Sunset: Time, 4:13 Character, Cloudy			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)							.05 0	1.0 0	0.1 0.9	1.0	1.0	1.0	0.5	0.5	0	0	0							
Wind direction	SW	W	W	SW	SW	SW	SW	SW	SW	SW	W	W	SW	SW	E	SE	E	E	NE	NE	NE	NE	NE	NE
Wind movement	7	7	7	6	4	5	6	6	5	2	3	2	3	2	3	4	4	5	5	6	6	5	7	7
Maximum velocities (exceeding 24 miles) direction and time																								

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
49	34	42	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cldy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 6.0 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 65
Prevailing wind direction, SW Total wind, 117
Average hourly velocity, 4.9 Extreme velocity, 10
Maximum velocity, 10 Direction, NE
Time began, 11:53P
Reduced barometer, 30.01 7 a. m. 30.01 7 p. m.
River gage, +4.7 Feet
Relative humidity, 90 7 a. m. 73 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

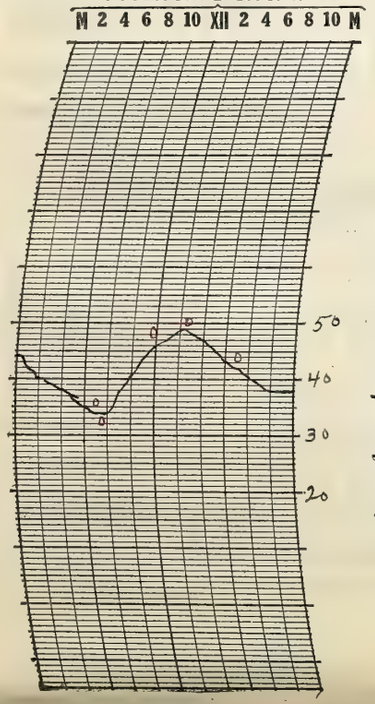
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 46.3 Wet temperature, 40.3
Dew-point, 32 R. humidity, 59 V. pressure, .180
Clouds: Amount, 2/3; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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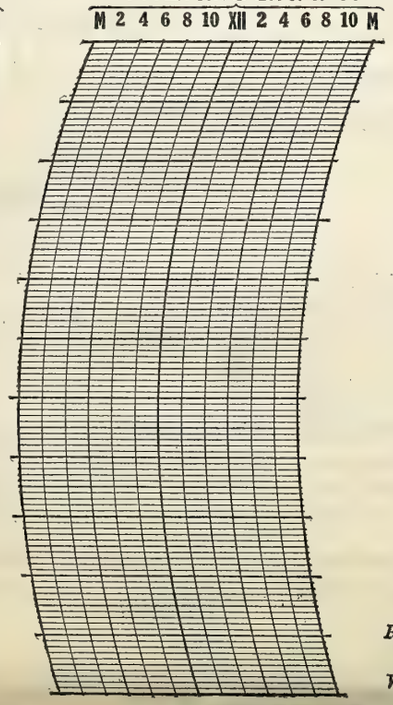
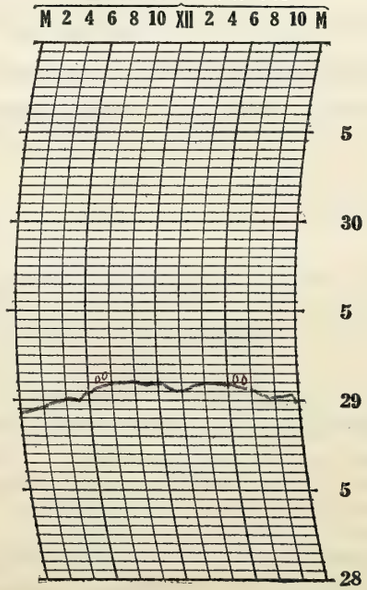


BAROGRAPH.



Prepared by L. C. S.

Verified by R.E.L.

8—486

NOTES

a warm part cloudy day. Flying conditions excellent

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Sunday, (Date) DEC 1 8 1927, 193

Time (local standard) 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	39	39	39	39	38	38	39	39	40	40	41	44
Nature of precipitation and time of beginning and ending					RB DNA		RE 6:30	RB 7:30			RE 11:00	
Amounts of precipitation					×01	×02	×01	T	T	T	T	
Cloudiness and other conditions							Cloudy					
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	NE	NE	NE	E	E	E	E	E	NE	N	N	NE
Wind movement	7	8	11	12	12	11	7	7	4	5	5	4

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	45	45	46	45	45	44	44	41	41	41	40	40
Nature of precipitation and time of beginning and ending											RB DNP	Rain
Amounts of precipitation											T	×02 *
Cloudiness and other conditions												
Sunshine (in tenths of hours)	0.3	0	0	0	0							
Wind direction	N	NW	NW	W	W	W	W	NW	N	NE	NE	N
Wind movement	5	5	3	3	5	4	5	10	7	3	3	5

Sunrise: Time, 6:58 Character, Cloudy
Moonrise:
Sunset: Time, 4:13 Character, Cloudy
Moonset:

Maximum velocities (exceeding 34 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

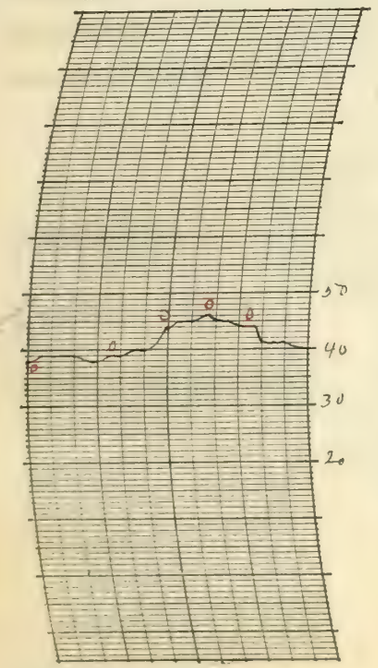
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
46	38	42	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .04 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .06 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.3 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 3
Prevailing wind direction, NE Total wind, 151
Average hourly velocity, 6.3 Extreme velocity, 18
Maximum velocity, 18 Direction, E
Time began, 4:22 A
Reduced barometer, 29.78 7 a. m. 29.89 7 p. m
River gage, +6.1 feet
Relative humidity, 96 7 a. m. 94 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 43.7 Wet temperature, 43.0
Dew-point, 42 R. humidity, 95 V. pressure, 29.66
Clouds: Amount, 10; Kind, St; Direction, NE
Velocity of clouds (miles per hour)

THERMOGRAPH



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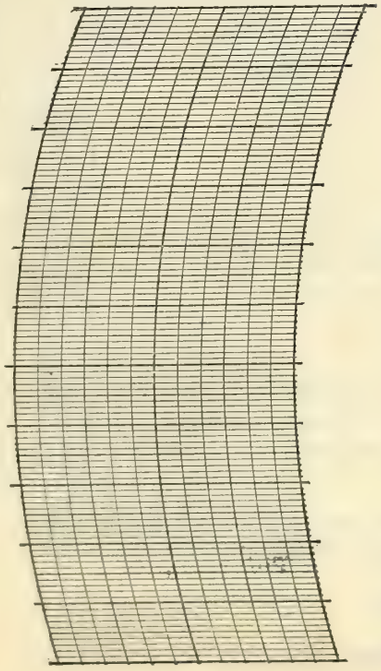
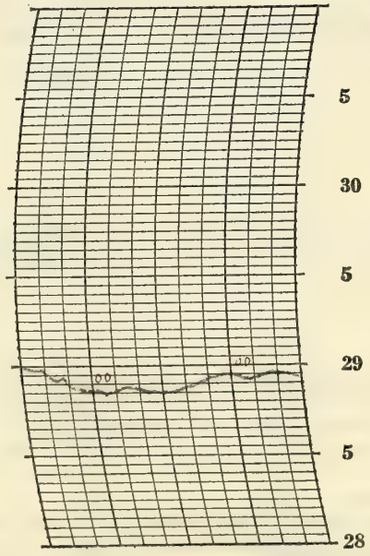


BAROGRAPH.



Prepared by L. C. S.

Verified by R. E. L.

8—486

NOTES

* midnight to midnight estimated
all commerical flights cancelled.
Flying conditions very poor as result of fog, all forenoon, Flying fair in afternoon
† Hourly amounts estimated

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) DEC 4 1933, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	39	39	39	36	35	35	35	35	36	37	38	38
State of weather: Nature of precipitation and time of beginning and ending	Rentd						RE 6:30 SMB 6:30	SME 8:00				
Amounts of precipitation	06 x	05 x	03 x	02 x	03 x	03 x	T x	T x				
Cloudiness and other conditions										Cloudy		
Sunrise: Time, 6:58 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	NW	NW	N	N	NW	NW	NW	W	W	NW	NW	NW
Wind movement	8	7	8	8	12	12	13	14	15	14	15	14

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	38	36	36	35	34	33	31	31	31	30	30	30
State of weather: Nature of precipitation and time of beginning and ending		RB 1:10 RE 2:00										
Amounts of precipitation		T										
Cloudiness and other conditions				Pldy x		Clear						
Sunset: Time, 4:13 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	NW	W	W	W	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	12	12	11	11	7	7	9	9	9	9	10	10

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

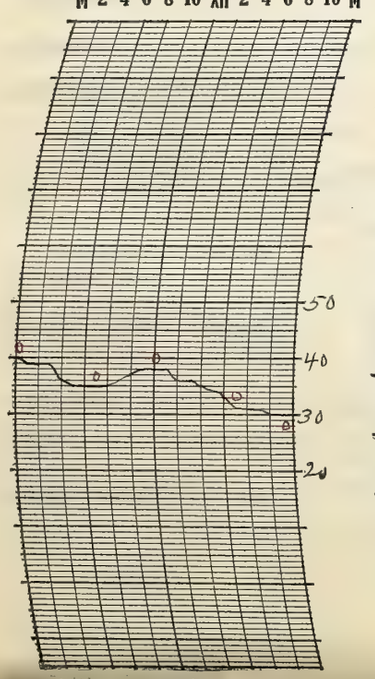
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
40	30	35	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0.24 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 0.22 inches.
Character of day, Cloudy Moon phase,
* Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, NW Total wind, 256
Average hourly velocity, 10.7 Extreme velocity, 20
Maximum velocity, 18 Direction, NW
Time began, 9:03 A
Reduced barometer, 30.02 7 a. m. 30.36 7 p. m.
River gage, +5.8 feet
Relative humidity, 95 7 a. m. 79 7 p. m.

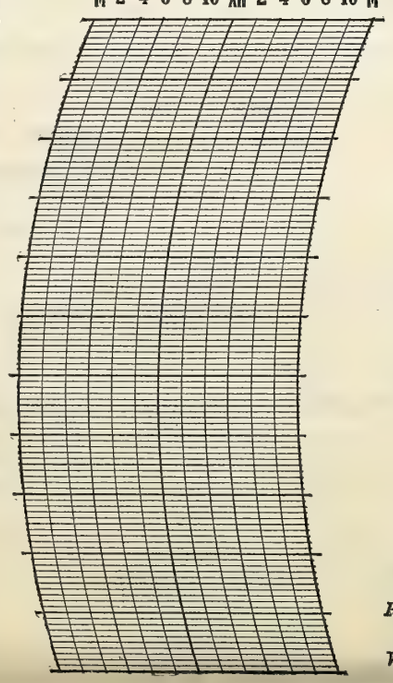
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 38.0 Wet temperature, 35.5
Dew-point, 32 R. humidity, 79 V. pressure, .180
Clouds: Amount, 10; Kind, St Cu; Direction, NW
Velocity of clouds (miles per hour)

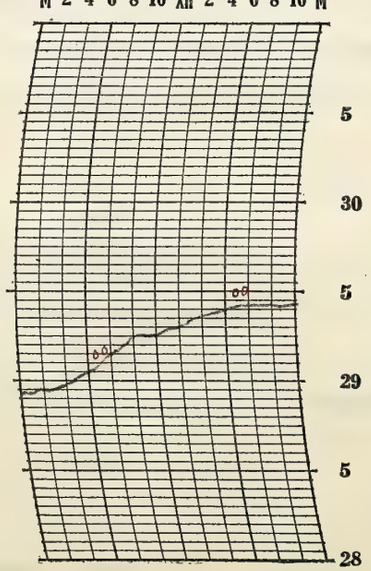
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by R.E.L.

8—486

NOTES

* Midnight to Midnight estimated a cloudy unsettled day. Flying conditions good.
Special observation sent to Chicago account .14 in rise in pressure in three hours.

x Hourly amounts estimated

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Tuesday, (Date) DEC 15 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	30	29	29	28	28	27	26	26	30	32	34	35	37	38	39	38	36	35	34	33	33	33	32	32
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions								←			Clear										→			
Sunshine (in tenths of hours)							.02 0	1.0 0	0.6 0.4	1.0	1.0	1.0	1.0	1.0	1.0	0.7 0.3	.23 0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	10	8	8	6	6	6	6	5	6	7	9	10	12	12	12	9	8	6	8	7	8	9	10	11
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 6:59 Character, Clear
Moonrise: ——— ———

Sunset: Time, 4:14 Character, Clear
Moonset: ——— ———

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

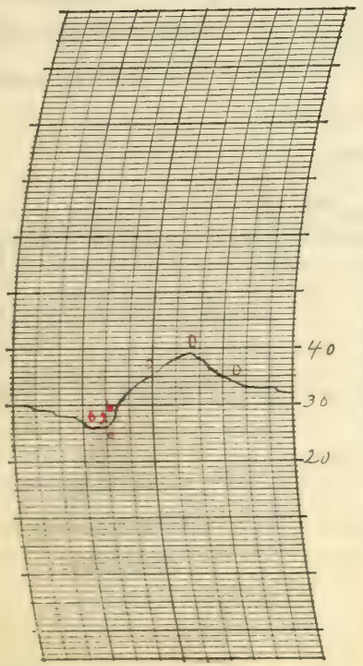
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
39	26	32	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ———
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 9.2 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind, 199
Average hourly velocity, 8.3 Extreme velocity, 16
Maximum velocity, 16 Direction, SW
Time began, 1:16 P
Reduced barometer, 30.43 7 a. m. 30.34 7 p. m
River gage, +5.8 feet
Relative humidity, 94 7 a. m. 80 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 35.0 Wet temperature, 31.5
Dew-point, 26 R. humidity, 68 V. pressure, 136
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour) ———

THERMOGRAPH



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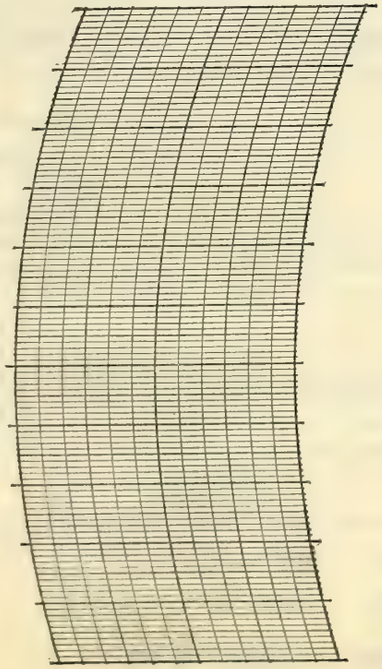
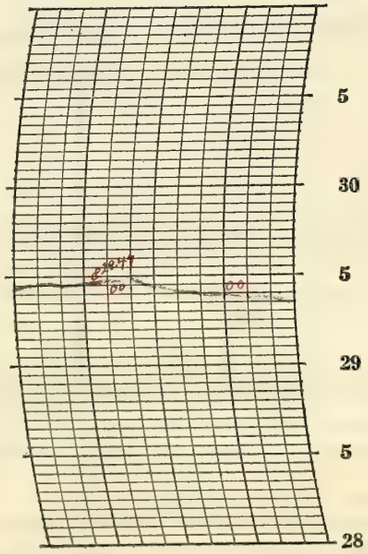


BAROGRAPH.



Prepared by L. C. S.

Verified by R. E. L.

8—486

NOTES

a Clear beautiful day. 7 hrs sunshine conditions excellent

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) DEC 16 1931, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	31	31	30	30	30	30	31	33	36	38	42	42	43	44	44	42	40	39	38	37	36	35	35
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions								← Clear →																
Sunshine (in tenths of hours)								1.0 0	0.4 0.6	1.0	1.0	1.0	1.0	1.0	1.0	0.7 0.3	.23 0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	10	7	8	10	9	9	8	9	11	10	11	11	11	11	8	5	6	6	5	7	6	7	6	7
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 7:00 Character, Clear
Moonrise: ____ ____

Sunset: Time, 4:14 Character, Clear
Moonset: ____ ____

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

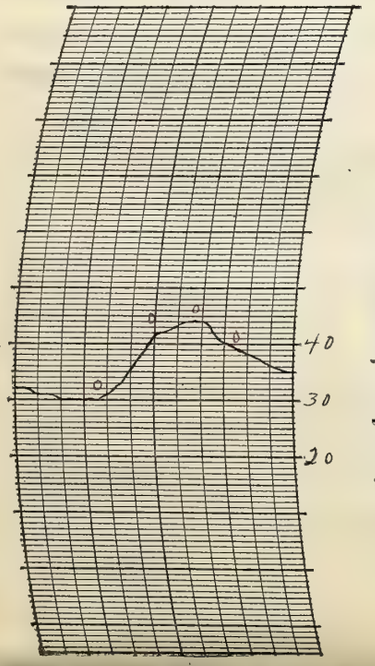
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
44	30	37	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ____
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 9.2 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind, 198
Average hourly velocity, 8.2 Extreme velocity, 15
Maximum velocity, 14 Direction, SW
Time began, 1:00 P
Reduced barometer, 30.28 a. m. 30.25 p. m.
River gage, +5.1 feet
Relative humidity, 89 a. m. 72 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 41.7 Wet temperature, 36.8
Dew-point, 29 R. humidity, 63 V. pressure, .157
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour) ____

THERMOGRAPH



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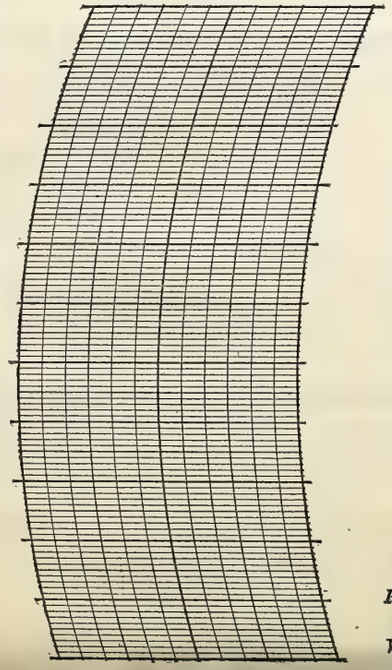
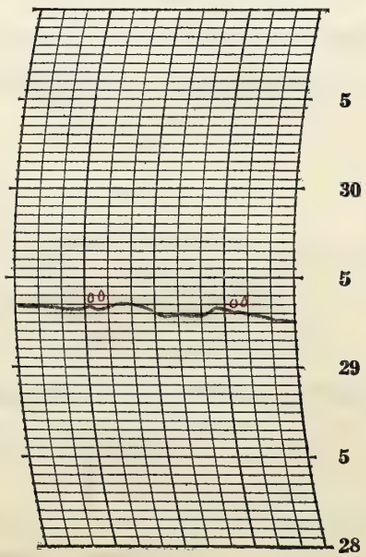


BAROGRAPH.



Prepared by L. C. S.
Verified by R C L

8—486

NOTES

a Clear beautiful day. Flying conditions excellent.
a 22° Lunar Halo was observed at 8:00 P.M.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Thursday, (Date) DEC 1 7 1900, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	34	34	33	33	32	31	32	35	40	44	45
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions								← Clear				
Sunshine (in tenths of hours)								.98 0	0.6 0.4	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	8	9	7	7	8	7	8	9	10	11	12	13

	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	46	48	49	48	47	44	42	41	40	38	37	36
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Pt cldy			Clear			→			
Sunshine (in tenths of hours)	1.0	1.0	0.5	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	13	12	12	7	6	5	5	6	5	7	5	4

Sunrise: Time, 7:01 Character, Clear
Moonrise: ____ ____
Sunset: Time, 4:14 Character, Cloudy
Moonset: ____ ____

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

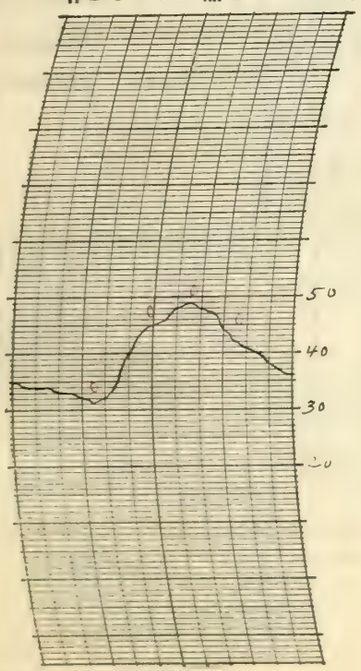
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
49	31	40	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ____
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 7.5 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 82
Prevailing wind direction, SW Total wind, 196
Average hourly velocity, 8.2 Extreme velocity, 19
Maximum velocity, 18 Direction, SW
Time began, 2:14 P
Reduced barometer, 30.13 7 a. m. 30.21 7 p. m.
River gage, +4.4 feet
Relative humidity, 82 7 a. m. 71 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 45.2 Wet temperature, 38.0
Dew-point, 28 R. humidity, 51 V. pressure, .150
Clouds: Amount, 1; Kind, cst; Direction, SW
Velocity of clouds (miles per hour) ____

THERMOGRAPH



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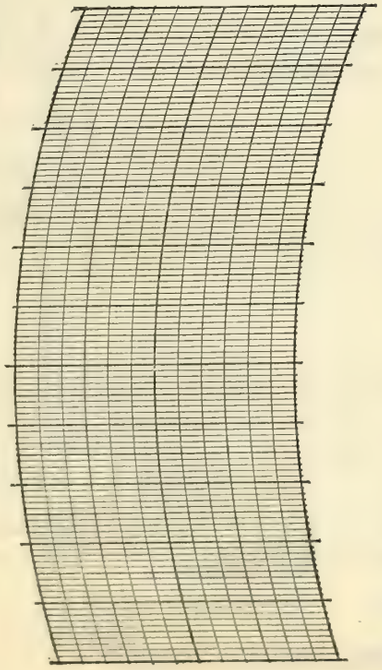
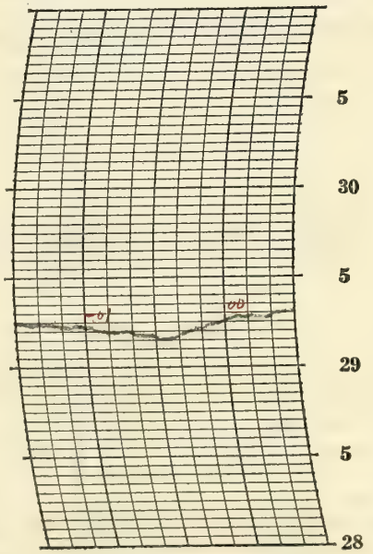


BAROGRAPH.



Prepared by L.C.S.

Verified by R.E.L.

8—486

NOTES

a Clear pleasant day. "7 lying conditions excellent.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) [illegible], (Date) DEC 1 8 1931, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	34	34	34	33	33	32	33	36	39	45	48	49	49	50	50	48	46	45	45	44	42	42	44
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←				Pt Cloudy						→ Clear			→				
Sunrise: Time, 7:01 Character, Cloudy																					Sunset: Time, 4:15 Character, Cloudy			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)								0	0.2	0	0.6	0.8	0.5	0.4	1.0	0.6	0							
Wind direction	SW	SW	SW	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	4	6	5	7	5	2	4	5	7	6	8	9	7	7	11	10	11	9	8	10	11	11	13	10
Maximum velocities (exceeding 24 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

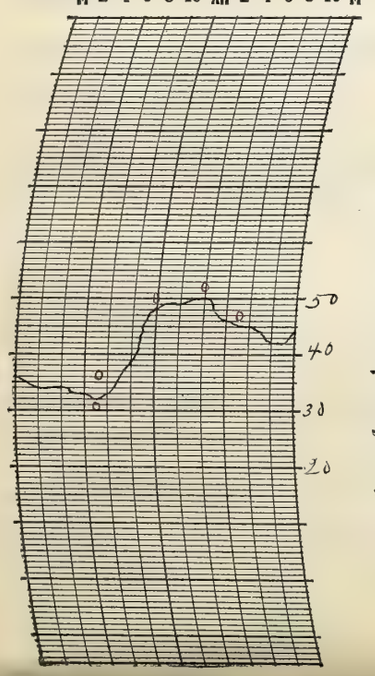
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
50	32	41	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cldy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 4.1 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 45
Prevailing wind direction, SW Total wind, 186
Average hourly velocity, 7.8 Extreme velocity, 15
Maximum velocity, 15 Direction, SW
Time began, 10:24 P
Reduced barometer, 30.26 7 a. m. 30.17 7 p. m.
River gage, +3.9 feet
Relative humidity, 79 7 a. m. 76 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 47.8 Wet temperature, 39.8
Dew-point, 30 R. humidity, 48 V. pressure, .164
Clouds: Amount, 2 5; Kind, Cst; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH



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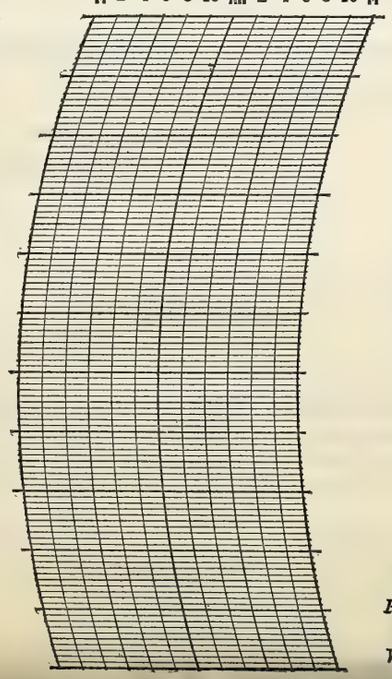
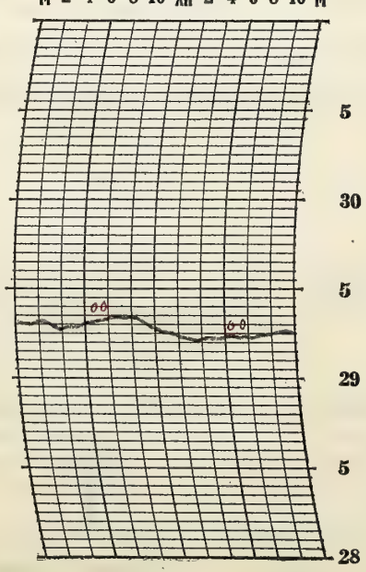


BAROGRAPH.



Prepared by L.C.S.

Verified by R E L

8—456

NOTES

a fair cloudy day. 7 lying condition excellent. Light Fog began at 10:00 P M and continued into next day.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) DEC 19 [illegible], 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	44	44	44	44	44	44	44	45	46	46	48	49
				RB ONA						RE 9:50		
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation				T	T	T	T	T	T	T		
Cloudiness and other conditions							←				Cloudy	
Sunrise: Time, 7:02 Character, Foggy												
Moonrise:												
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	8	7	7	9	7	7	5	7	7	11	10	10
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	50	50	51	51	52	52	52	52	50	49	49	49
						RB 5:30			RE 8:30			
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation						T	.01	T	T			
Cloudiness and other conditions									→			
Sunrise: Time, Character,												
Moonrise:												
Sunset: Time, 4:15 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W
Wind movement	10	11	8	9	8	8	10	11	12	12	10	12
Maximum velocities (exceeding 24 miles) direction and time												

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
52	44	48	

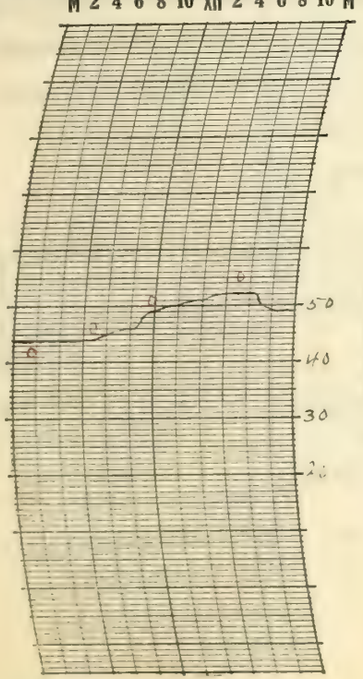
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind, 216
Average hourly velocity, 9.0 Extreme velocity, 16
Maximum velocity, 16 Direction, W
Time began, 11:17 P
Reduced barometer, 30.16 a. m. 29.99 p. m
River gage, +3.5 feet
Relative humidity, 99 a. m. 100 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 49.0 Wet temperature, 49.0
Dew-point, 49 R. humidity, 100 V. pressure, .347
Clouds: Amount, 10; Kind, St. fr.; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH



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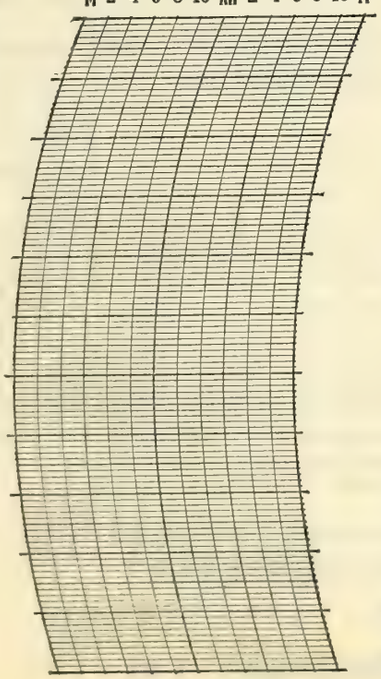
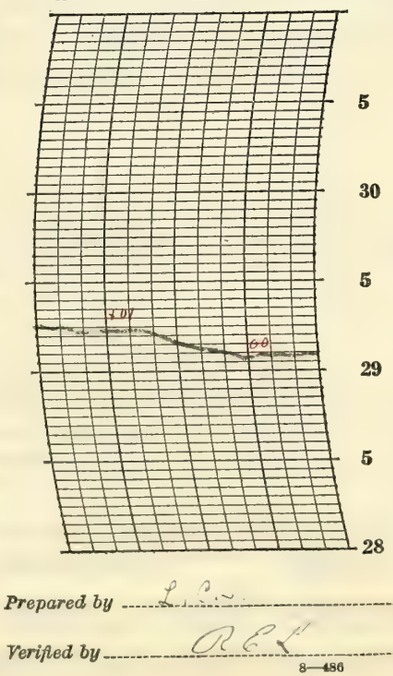


BAROGRAPH.



Prepared by L. C.

Verified by R. E. K.

8—486

NOTES

An overcast day with fog and rain in the morning - fog continued until 9:00 P. Rain occurred again during the early evening. A gloomy day with ceiling low and visibility poor. No airplanes operated through the city during the day. Special observation taken for T. W. A. at 5:50 A.M. and wired to Columbus - account special flight with 12 Cadet boys. Flight not made account fog. Streets slippery and visibility poor for driving in early evening and at night.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) DEC 20 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	46	44	43	42	42	42	42	42	43	43	43	43
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Cloudy						
Sunrise: Time, 7:02 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	W	NW	NW	NW	NW	NW	N	N	NE	NE	E	E
Wind movement	13	14	12	11	12	11	6	6	8	5	7	8

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	43	42	42	42	41	41	41	41	42	42	42
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunset: Time, 4:15 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	E	E	E	E	E	SE	SE	SE	SE	SE	SE	SE
Wind movement	9	10	10	9	11	11	8	10	10	9	8	10

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

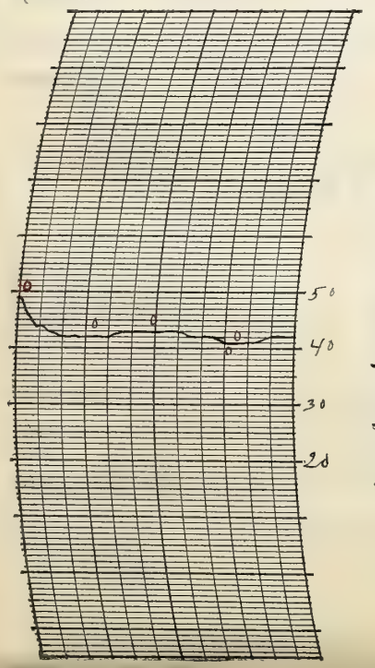
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
49	41	45	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, ESE Total wind, 228
Average hourly velocity, 9.5 Extreme velocity, 18
Maximum velocity, 17 Direction, W
Time began, 1:07A
Reduced barometer, 30.15 a. m. 30.23 p. m.
River gage, +2.9 feet
Relative humidity, 88 a. m. 84 p. m.

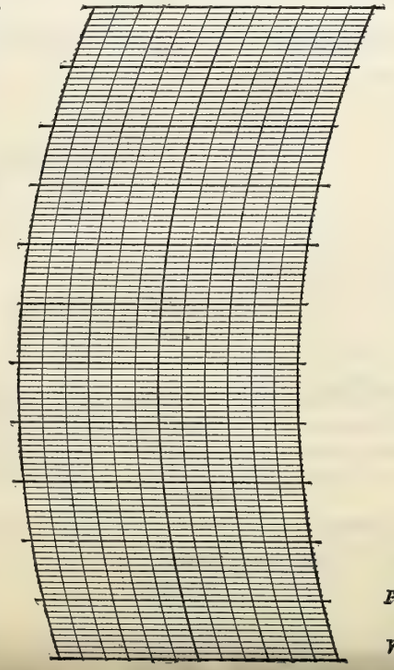
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 43.4 Wet temperature, 41.2
Dew-point, 39 R. humidity, 84 V. pressure, .237
Clouds: Amount, 10; Kind, Strat; Direction, E
Velocity of clouds (miles per hour)

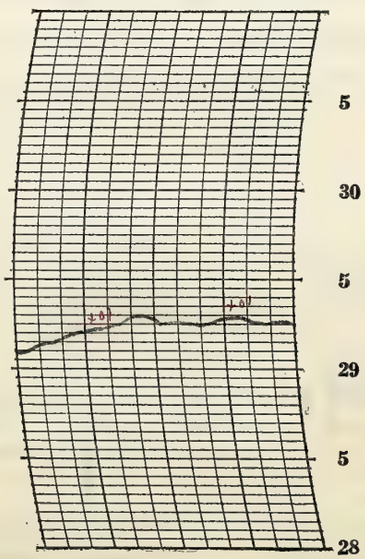
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by R.E.L.

8—486

NOTES

Overcast all day. Clouds ranged from 1400 to 2000 ft. Visibility average about 4 miles. Streets dry. General conditions good.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) DEC 21 1, 193

Time (local standard) 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	42	42	42	42	42	42	43	45	45	46	46	47
Nature of precipitation and time of beginning and ending									RB 8:35			
Amounts of precipitation									0.13	0.13	02	05
Cloudiness and other conditions											Cloudy	
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	9	5	5	5	6	6	5	5	5	7	3	4

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	49	50	51	51	51	50	50	53	54	54	54	54
Nature of precipitation and time of beginning and ending												RBnd
Amounts of precipitation	01	T	01	T	01	0.12	04	T	01	05	07	T
Cloudiness and other conditions												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SE	SE	SE	E	E	E	E	E	E	SE	E	S
Wind movement	3	4	3	2	3	4	3	5	2	2	3	6

Sunrise: Time, 7:03 Character, Cloudy

Moonrise:

Sunset: Time, 4:16 Character, Cloudy

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
54	42	48	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0.54 ins.

Total precipitation, midnight to midnight, 0.65 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 9.2

Per cent of possible sunshine, 0

Prevailing wind direction, SE Total wind, 105

Average hourly velocity, 4.4 Extreme velocity, 10

Maximum velocity, 10 Direction, SE

Time began, 12:03 A

Reduced barometer, 30.07 7 a. m. 29.94 7 p. m.

River gage, +2.5 feet

Relative humidity, 89 7 a. m. 100 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

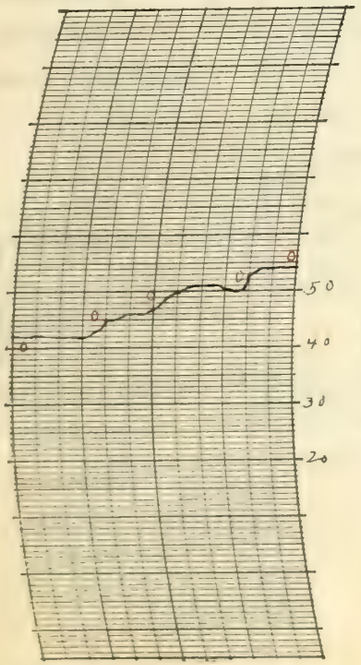
Dry temperature, 47.0 Wet temperature, 46.5

Dew-point, 46 R. humidity, 96 V. pressure, .310

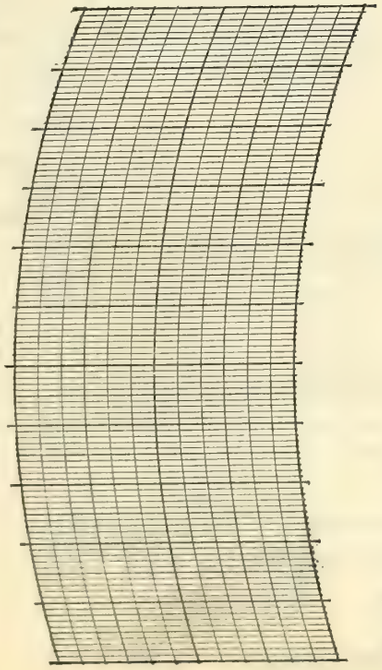
Clouds: Amount, 10; Kind, Nb; Direction, SE

Velocity of clouds (miles per hour)

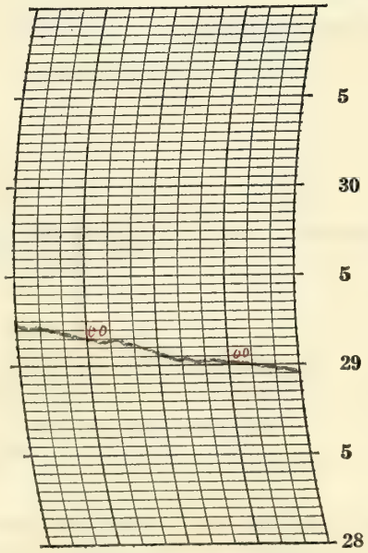
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L.C.S.

Verified by C.C.R.

8—486

NOTES

7 lying into and out of city impossible all day. 7 og bad all day. Day cloudy and drizzly.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) DEC 22 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	54	55	50	50	48	47	47	46	46	46	47	50
State of weather: Nature of precipitation and time of beginning and ending	Rwtd			RE DNA						RB 9:10	RE 11:00	
Amounts of precipitation	03	03	T	02						T	T	
Cloudiness and other conditions							←				Cloudy	

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	52	52	52	52	52	50	50	48	46	46	46	45
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions		×	Pt Clay				×	Clay		→		

Sunrise: Time, 7:03 Character, Cloudy

Moonrise:

Sunset: Time, 4:16 Character, Cloudy

Moonset:

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)								0	0	0	0	0.1
Wind direction	S	S	W	W	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	3	7	13	8	7	8	8	8	8	9	9	9
Maximum velocities (exceeding 24 miles) direction and time												

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)	1.0	0.5	0.8	0.2	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	S	SW	S	S	S
Wind movement	12	14	14	10	6	6	7	11	10	10	11	9
Maximum velocities (exceeding 24 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

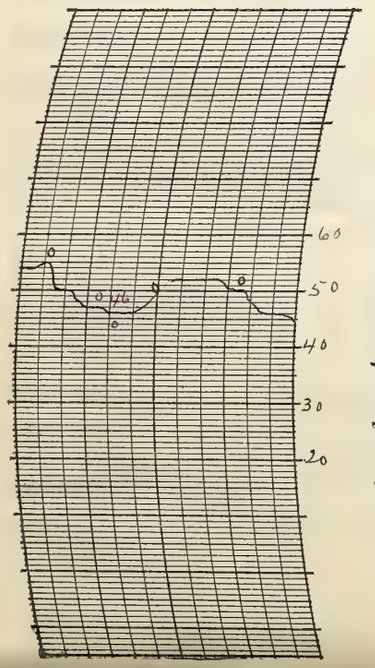
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
55	45	50	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.21 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 0.8 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 2.6 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 28
Prevailing wind direction, SW Total wind, 217
Average hourly velocity, 9.0 Extreme velocity, 18
Maximum velocity, 18 Direction, SW
Time began, 2:52 P
Reduced barometer, 29.86 7 a. m. 29.90 7 p. m.
River gage, +2.5 feet
Relative humidity, 96 7 a. m. 90 7 p. m.

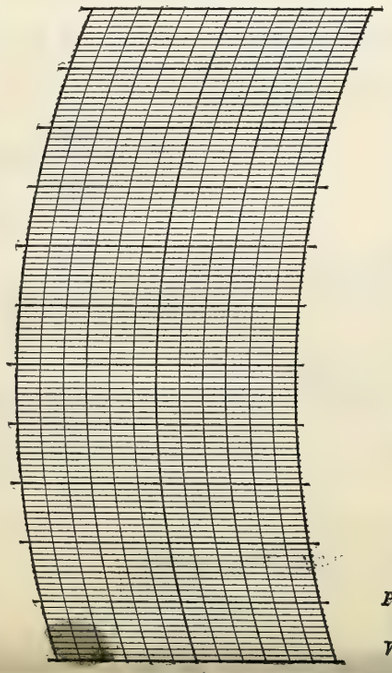
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 50.0 Wet temperature, 49.0
Dew-point, 48 R. humidity, 93 V. pressure, .334
Clouds: Amount, 10; Kind, St Cu; Direction, W
Velocity of clouds (miles per hour)

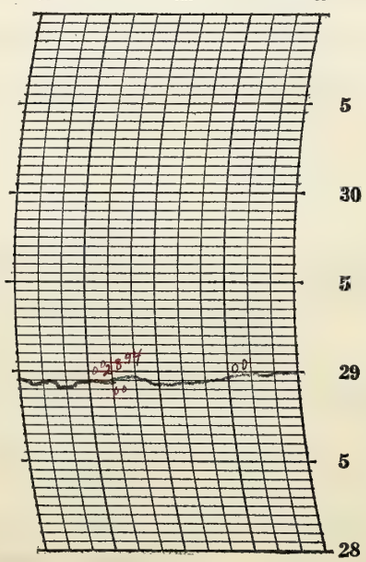
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by REL

8—486

NOTES

7 Seeing conditions were good throughout the day. A 22° Lunar Halo was observed at 7:00 P.M.

Form No. 1014—Met'l U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) DEC 28 1921, 193

Time (local standard) 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	44	44	44	45	45	46	47	47	48	48	49	50
State of weather: Nature of precipitation and time of beginning and ending		RS DNA RE DNA										
Amounts of precipitation		T										
Cloudiness and other conditions								Cloudy				
Sunrise: Time, Character, 7:04 Cloudy												
Moonrise:												
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	S	SW	S	S	S	S	SW	S	S	S	SW	SW
Wind movement	9	8	9	7	9	7	9	9	9	9	10	9

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	50	50	50	50	51	51	52	52	52	52	52	52
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunset: Time, Character, 4:17 Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	SW	SW	SW	S	S	S	SE	SE	SE	SE	SE
Wind movement	9	7	6	5	5	3	6	5	4	5	5	7

Maximum velocities (exceeding 24 miles) direction and time

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

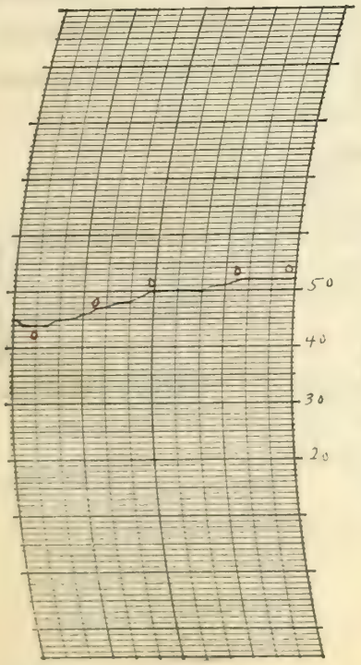
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
52	44	48	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, S Total wind, 171
Average hourly velocity, 7.1 Extreme velocity, 12
Maximum velocity, 12 Direction, SW
Time began, 11:51 A
Reduced barometer, 29.88 7 a. m. 29.89 7 p. m.
River gage, +3.9 feet
Relative humidity, 96 7 a. m. 94 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 50.0 Wet temperature, 49.5
Dew-point, 49 R. humidity, 96 V. pressure, .347
Clouds: Amount, 10; Kind, Strat; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH



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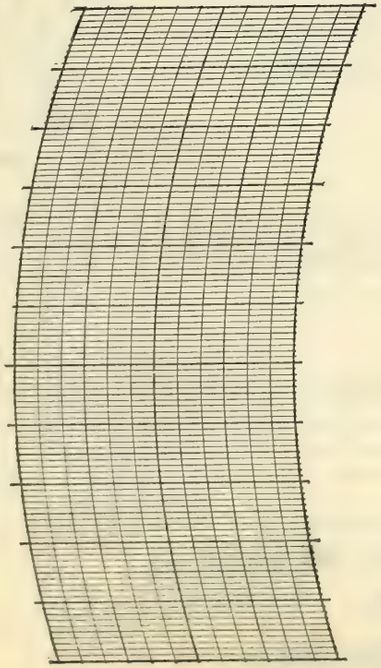
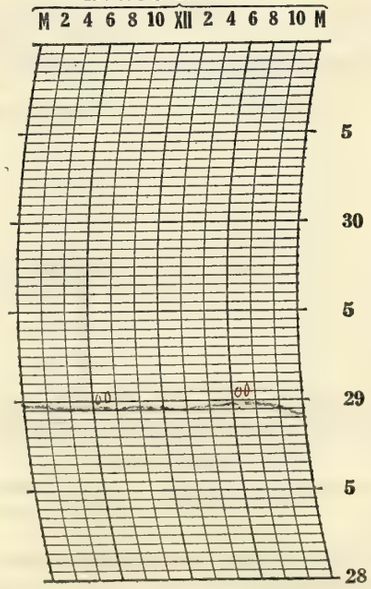


BAROGRAPH.



Prepared by L. C. S.

Verified by R. E. L.

8—486

NOTES

A Cloudy Day. Flying conditions fair.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) DEC 24 1941, 193

Time (local standard) 90 mer. normal time.

	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	52	54	55	56	56	56	57	58	58	54	52	49	48	48	47	44	43	42	40	40	40	40	39	38
State of weather: Nature of precipitation and time of beginning and ending																	RB 4:10		RE 6:05 SMB 6:05	SME 7:30				
Amounts of precipitation																	T	T	T	T				
Cloudiness and other conditions							← Clay	× Pt Cldy		× Cloudy										→				
Sunshine (in tenths of hours)								0	0	0.5	0.6	0.4	0	0	0	0	0							
Wind direction	SE	SE	SE	SE	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W	W	W	NW	NW
Wind movement	7	7	8	8	8	7	9	10	15	17	16	17	20	20	22	19	19	19	19	21	19	19	19	16
Maximum velocities (exceeding 24 miles) direction and time														30 SW 1:53	27 SW 2:15					26 W 7:41				

Sunrise: Time, 7:04 Character, Cloudy
Moonrise:
Sunset: Time, 4:18 Character, Cloudy
Moonset:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

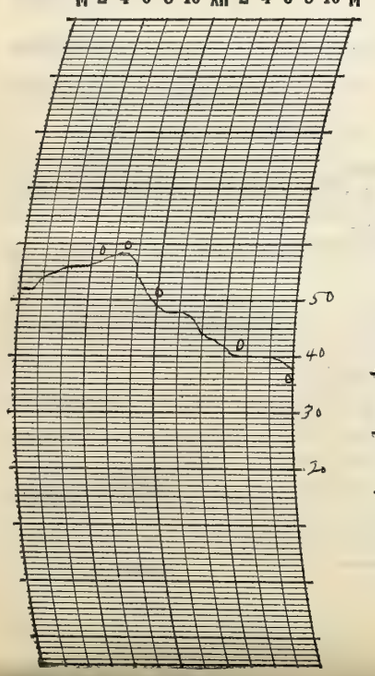
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
58	38	48	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 1.5 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 16
Prevailing wind direction, SW Total wind, 361
Average hourly velocity, 15.0 Extreme velocity, 32
Maximum velocity, 30 Direction, SW
Time began, 1:53 P
Reduced barometer, 29.67 7 a. m. 29.86 7 p. m.
River gage, +4.5 feet
Relative humidity, 97 7 a. m. 96 7 p. m.

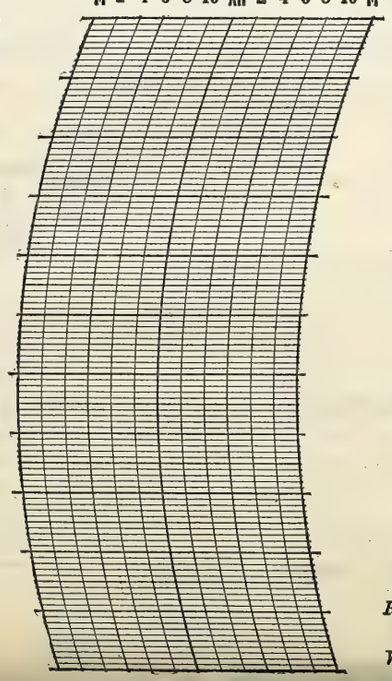
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 48.8 Wet temperature, 44.8
Dew-point, 41 R. humidity, 74 V. pressure, .256
Clouds: Amount, 10; Kind, St Cu; Direction, W
Velocity of clouds (miles per hour)

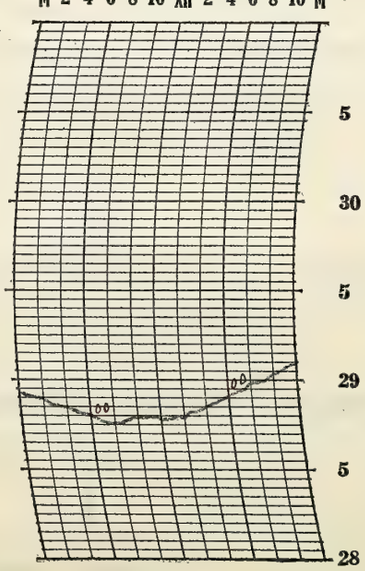
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.
Verified by R. E. L.

8—486

NOTES

A cloudy day with fresh to strong winds all afternoon and into the early night.
Day was fair for flying.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) DEC 25 [illegible], 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	38	38	38	38	37	36	35	34	35	35	35	35
State of weather: Nature of precipitation and time of beginning and ending								SM B 7:10	SM E 8:05		SM B 10:01 SM E 10:15	
Amounts of precipitation								T	T		T	
Cloudiness and other conditions								Cloudy				
Sunrise: Time, 7:05 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	14	15	12	14	17	13	14	12	16	17	16	14
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	35	35	35	35	34	33	32	32	31	30	30
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunset: Time, 4:18 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	NW	NW	NW	NW	NW	N	N	N	N	N	N	N
Wind movement	14	13	12	11	9	8	9	7	7	5	5	5

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
38	30	34	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, NW Total wind, 279
Average hourly velocity, 11.6 Extreme velocity, 24
Maximum velocity, 22 Direction, NW
Time began, 8:53A
Reduced barometer, 30.27 7 a. m. 30.49 7 p. m.
River gage, +4.5 feet
Relative humidity, 93 7 a. m. 78 7 p. m.

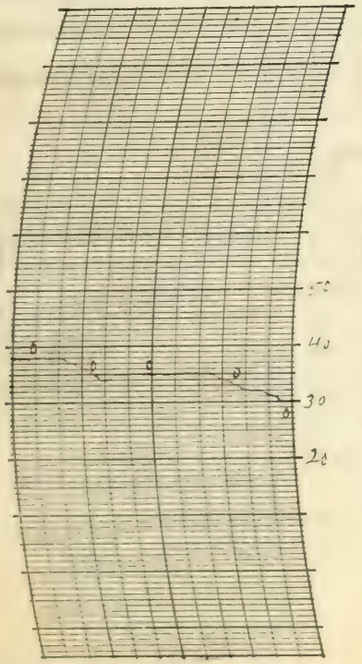
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 35.0 Wet temperature, 33.0
Dew-point, 30 R. humidity, 82 V. pressure, .164
Clouds: Amount, 10; Kind, Stcu; Direction, N
Velocity of clouds (miles per hour)

THERMOGRAPH



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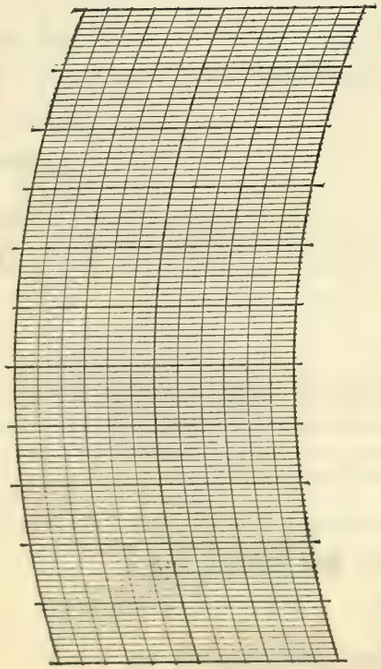
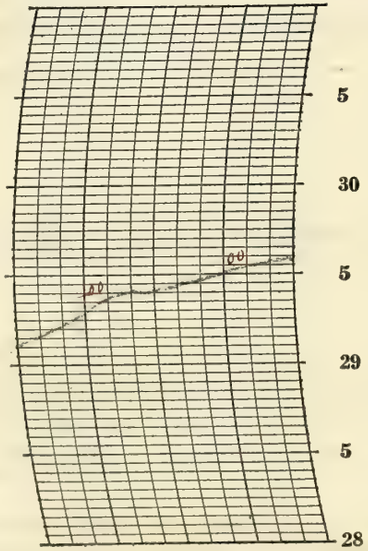


BAROGRAPH.



Prepared by L. C. S.

Verified by R. E. L.

8—486

NOTES

a Cloudy day with very light flurries of snow at times.
7 flying conditions were fair, however commercial flights were cancelled due to the Christmas holiday.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) DEC 25 1909, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	29	29	28	27	26	26	24	24	27	29	30	32	35	36	36	35	34	33	32	31	30	30	30	29
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←				Clear										→			
Sunshine (in tenths of hours)								.92 0	0.2 0.8	1.0	0.9	1.0	1.0	1.0	1.0	0.2 0.8	.32 0							
Wind direction	N	N	N	NE	NE	E	E	E	E	SE	SE	SE	SE	SE	SE	E	E	E	E	E	E	E	E	E
Wind movement	5	5	5	4	4	4	6	7	8	7	5	4	5	5	7	8	6	6	7	8	9	8	8	7
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 7:05 Character, Clear
Moonrise:
Sunset: Time, 4:19 Character, Clear
Moonset:

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

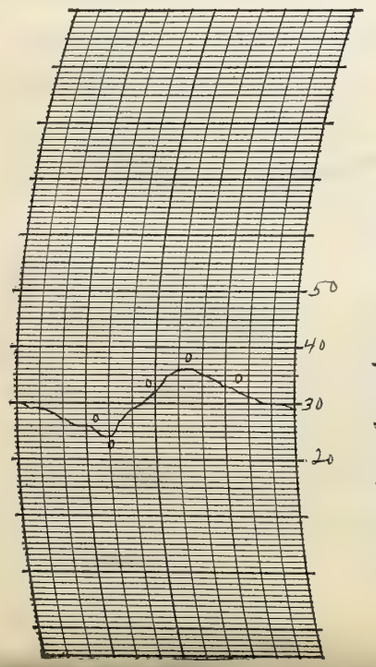
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
36	24	30	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 9.1 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 99
Prevailing wind direction, E Total wind, 148
Average hourly velocity, 6.2 Extreme velocity, 10
Maximum velocity, 10 Direction, E
Time began, 9:18 A
Reduced barometer, 30.60 7 a. m. 30.49 7 p. m.
River gage, +4.2 feet
Relative humidity, 85 7 a. m. 64 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 32.0 Wet temperature, 29.5
Dew-point, 26 R. humidity, 74 V. pressure, 136
Clouds: Amount, 2; Kind, ~~a. cu.~~ cirr; Direction, ~~E~~ E
Velocity of clouds (miles per hour)

THERMOGRAPH



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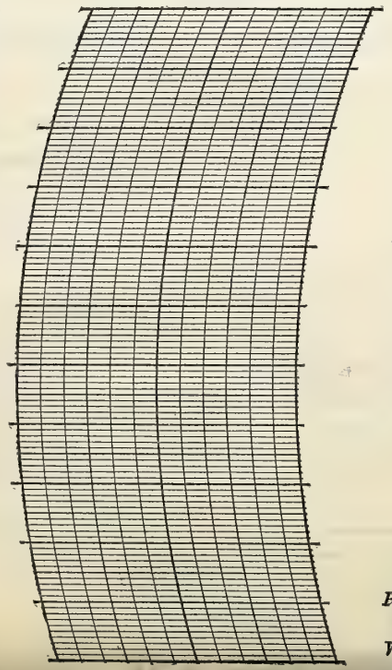
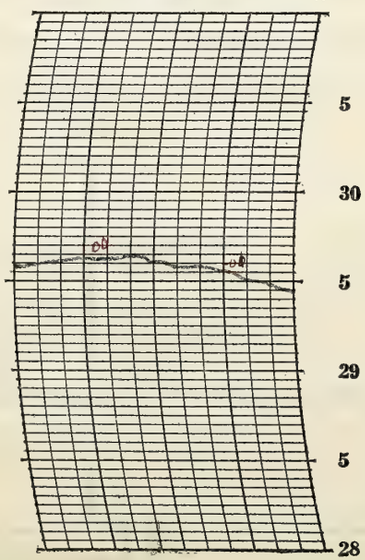


BAROGRAPH.



Prepared by L. C. S.

Verified by O. E. L.

8—486

NOTES

A Clear pleasant day. Fly flying conditions excellent

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) DEC 27 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	28	27	26	26	26	27	27	30	32	34	36	39
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions								Cloudy			Cloudy	
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	E	E	E	E	E	E	E	E	SE	SE	SE	SE
Wind movement	8	8	6	7	5	4	5	6	7	7	8	8

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	41	43	44	44	43	42	42	42	42	42	42	41
State of weather: Nature of precipitation and time of beginning and ending						RB 5:55	RE 6:15				RB DND RE DNP	
Amounts of precipitation						T	.01				T	
Cloudiness and other conditions												
Sunshine (in tenths of hours)	0	0	0.1	0	0							
Wind direction	SE	SE	SE	SE	SE	SE	SE	SE	S	S	SE	S
Wind movement	8	9	8	8	8	6	4	7	9	8	7	4

Sunrise: Time, 7:05 Character, Cloudy

Moonrise: ____ ____

Sunset: Time, 4:19 Character, Cloudy

Moonset: ____ ____

Maximum velocities (exceeding 2.4 miles) direction and time ____

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts ____

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
44	26	35	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .01 ins.

Total precipitation, midnight to midnight, .01 inches.

Character of day, Cloudy Moon phase, ____

Average daily cloudiness (0-10), 9

Actual sunshine, hours, 0.1 Possible sunshine, hours, 9.2

Per cent of possible sunshine, 1

Prevailing wind direction, SE Total wind, 165

Average hourly velocity, 6.9 Extreme velocity, 12

Maximum velocity, 12 Direction, SE

Time began, 1:14 P

Reduced barometer, 30.24 7 a. m. 30.00 7 p. m.

River gage, +3.2 feet

Relative humidity, 88 7 a. m. 70 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

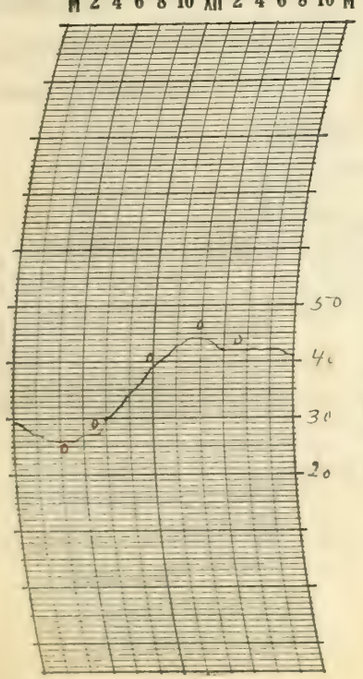
Dry temperature, 38.7 Wet temperature, 35.2

Dew-point, 31 R. humidity, 72 V. pressure, .172

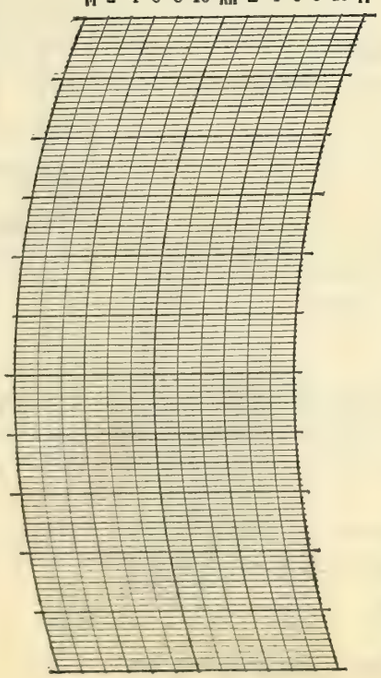
Clouds: Amount, 10; Kind, ast; Direction, SE

Velocity of clouds (miles per hour) ____

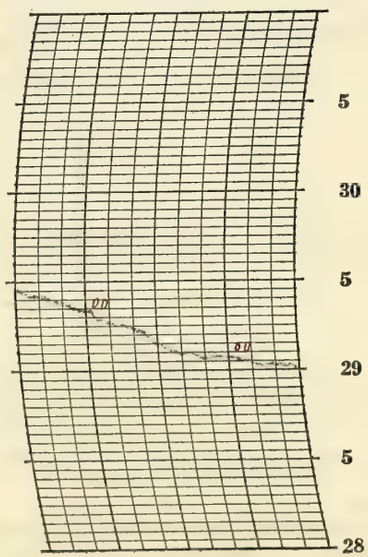
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by J. C. S.

Verified by O. E. S.

8—486

NOTES

a Cloudy moderate day. Flying conditions good

x Hourly amounts estimated

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) DEC 28 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	41	41	41	39	38	36	35	34	34	36	37	38	42	42	42	41	40	40	40	39	38	38	38	38
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←	Cloudy				→	Pt Cldy		×	Cloudy			→					
Sunrise: Time, 7:06 Character, Foggy																					Sunset: Time, 4:20 Character, Cloudy			
Moonrise:																					Moonset:			
Sunshine (in tenths of hours)								0	0	0	0	0	0.8	0.8	0.5	0	0							
Wind direction	S	S	S	SW	SW	SW	W	W	W	W	W	W	W	NW	W	NW	NW	NW	NW	NW	N	N	N	N
Wind movement	4	2	4	3	5	5	6	5	5	5	5	8	8	9	7	10	8	8	7	8	9	9	6	3
Maximum velocities (exceeding 24 miles) direction and time																								

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
42	34	38	

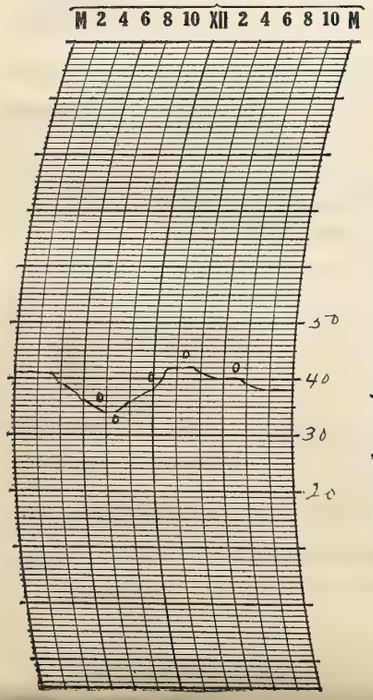
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 2.1 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 23
Prevailing wind direction, W Total wind, 149
Average hourly velocity, 6.2 Extreme velocity, 13
Maximum velocity, 13 Direction, NW
Time began, 3:45 P
Reduced barometer, 29.96 7 a. m. 30.04 7 p. m.
River gage, +2.5 feet
Relative humidity, 96 7 a. m. 88 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 38.1 Wet temperature, 37.1
Dew-point, 36 R. humidity, 91 V. pressure, .21
Clouds: Amount, 10; Kind, St Cu; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH



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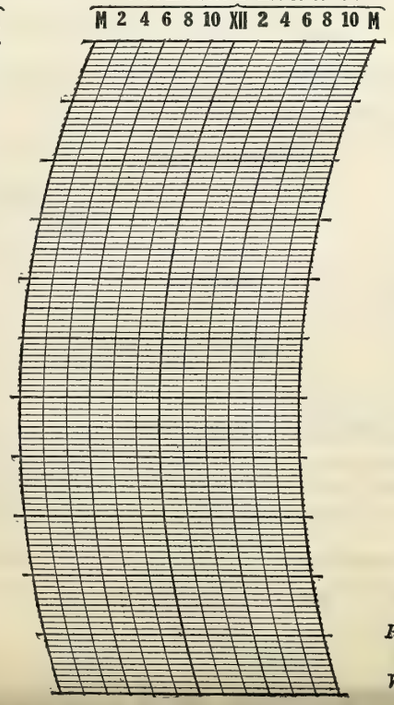
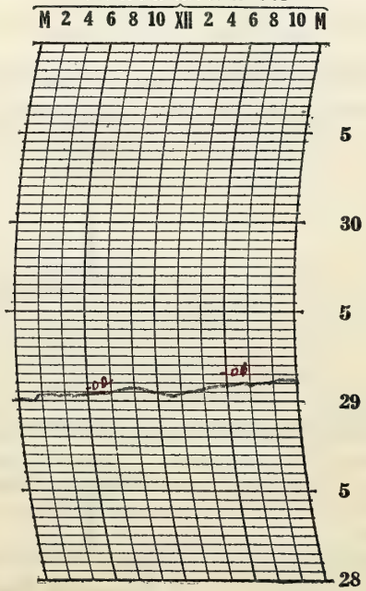


BAROGRAPH.



Prepared by L. C. S.

Verified by R. E. R.

8—486

NOTES

Flying into and out of city impossible to 10:30 A.M. as result of very dense fog. The fog became so dense that driving was dangerous. The day was moderate and cloudy.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) DEC 29 [illegible], 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	38	37	36	36	36	35	35	36	36	36	37	40	34	33	34	36	36	36	37	37	37	37	36	36
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←						Cloudy								→			
Sunshine (in tenths of hours)								0	0	0	0	0.8	0.1	0	0	0	0							
Wind direction	NE	NE	N	N	N	N	NE	NE	NE	E	NE	NE	NE	NE	E	E	E	E	E	NE	E	E	E	E
Wind movement	2	4	3	2	3	2	3	5	5	5	4	6	8	7	9	7	7	6	6	6	7	7	8	9

Sunrise: Time, 7:06 Character, Cloudy
Moonrise:

Sunset: Time, 4:21 Character, Cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

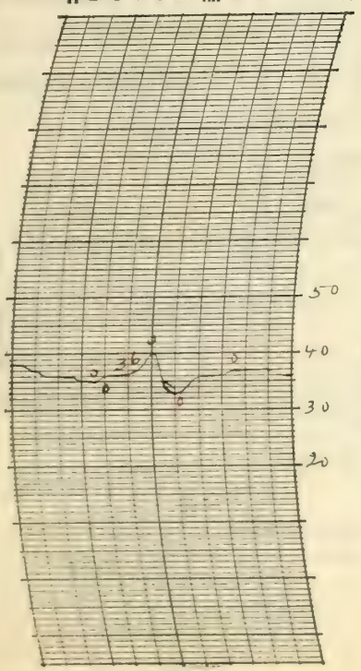
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
40	33	36	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.9 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 10
Prevailing wind direction, NE+E Total wind, 131
Average hourly velocity, 5.5 Extreme velocity, 11
Maximum velocity, 11 Direction, E
Time began, 2:03 P
Reduced barometer, 30.08 7 a. m. 30.07 7 p. m
River gage, +2.2 feet
Relative humidity, 90 7 a. m. 94 7 p. m.

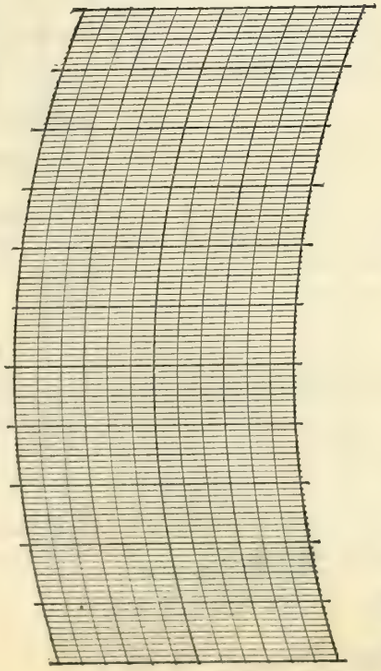
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 39.7 Wet temperature, 38.0
Dew-point, 36 R. humidity, 86 V. pressure, .211
Clouds: Amount, 10; Kind, Stu; Direction, NE
Velocity of clouds (miles per hour)

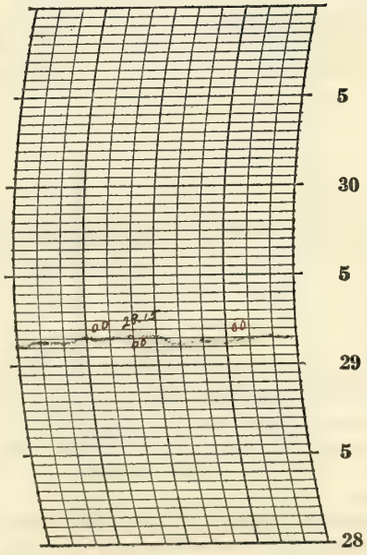
THERMOGRAPH



THERMOGRAPH



BAROGRAPH.



Prepared by L. C. S.

Verified by R. S. L.

8—486

NOTES

A Cloudy day. Flying conditions were very good all day.
Afternoon flight of T. W. A. from Columbus to Chicago was cancelled.
Mail plane attempted to fly to South Bend, but was forced to return due to fog.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) DEC 30 1931, 193

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	36	35	35	35	35	35	35	34	35	36	37
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Cloudy					
Sunrise: Time, 7:06 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	E	E	E	E	E	E	E	E	E	E	E	E
Wind movement	9	9	11	10	10	11	11	11	11	12	14	13
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	38	38	37	36	36	36	34	34	34	34	34	34
State of weather: Nature of precipitation and time of beginning and ending		RESL 1:40 RSLE 1:45 R B 1:45					RE 6:30 SLB 6:30	SLE 7:30				
Amounts of precipitation		T	.01	.01	.01	.01	T	T				
Cloudiness and other conditions							Cloudy					
Sunset: Time, 4:22 Character, Cloudy												
Moonset:												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	E	E	E	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	14	12	11	12	12	13	14	12	13	13	13	14
Maximum velocities (exceeding 24 miles) direction and time												

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
38	34	36	

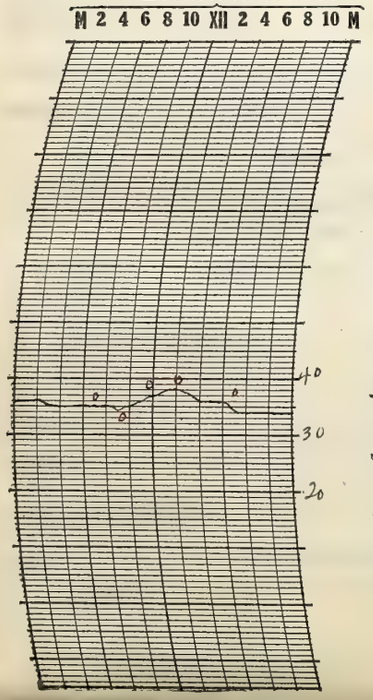
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .04 ins.
Total precipitation, midnight to midnight, .04 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind, 285
Average hourly velocity, 11.9 Extreme velocity, 19
Maximum velocity, 19 Direction, E
Time began, 12:23P
Reduced barometer, 30.08 7 a. m. 30.06 7 p. m.
River gage, +2.1 feet
Relative humidity, 91 7 a. m. 90 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 37.3 Wet temperature, 34.8
Dew-point, 31 R. humidity, 79 V. pressure, .172
Clouds: Amount, 10; Kind, St; Direction, E
Velocity of clouds (miles per hour)

THERMOGRAPH



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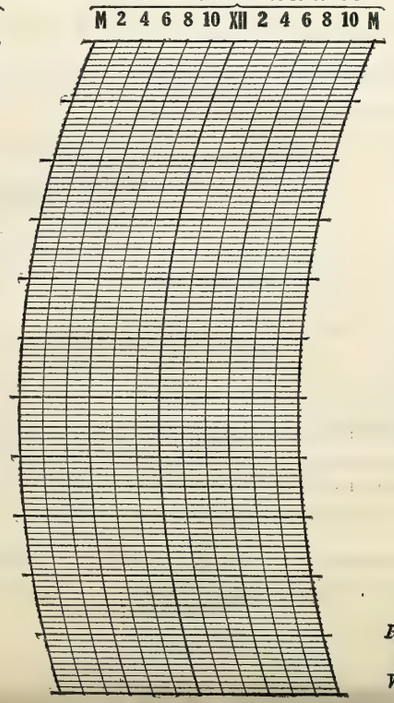
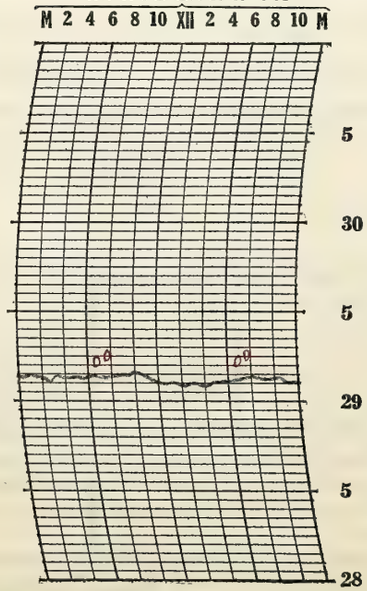


BAROGRAPH.



Prepared by L.C.S.

Verified by RCL

8—486

NOTES

Day was cloudy. Fog lying conditions fair. A trace of sleet fell during the day but melted as it fell
× Hourly amounts estimated

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) DEC 31, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	34	34	35	36	36	36	36	36	37	38	38	38	38	36	36	36	36	36	37	38	38	38	38	38
										RB 9:45A		RE 11:30	RB 12:30											Rain
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation										T	T	T	02	03	04	05	05	03	T	03	04	05	05	05
Cloudiness and other conditions															Cloudy									
Sunshine (in tenths of hours)								0	0	0	0	0	0	0	0	0	0							
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	NE	NE	NE	NE	NE	NE	NE
Wind movement	13	16	14	14	15	17	17	17	17	17	17	19	18	18	19	16	16	15	15	14	11	14	12	12
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 7:06 Character, Cloudy
Moonrise:

Sunset: Time, 4:22 Character, Cloudy
Moonset:

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

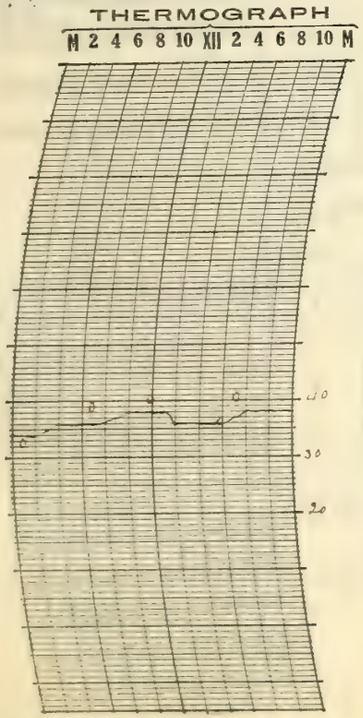
Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
38	34	36	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0.22 ins.
Total precipitation, midnight to midnight, 0.44 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 0
Prevailing wind direction, NE Total wind, 373
Average hourly velocity, 15.5 Extreme velocity, 26
Maximum velocity, 23 Direction, NE
Time began, 12:30 P
Reduced barometer, 29.94 7 a. m. 29.76 7 p. m.
River gage, +1.8 feet
Relative humidity, 90 7 a. m. 98 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 38.3 Wet temperature, 37.8
Dew-point, 37 R. humidity, 96 V. pressure, .219
Clouds: Amount, 10; Kind, St; Direction, E
Velocity of clouds (miles per hour)

THERMOGRAPH



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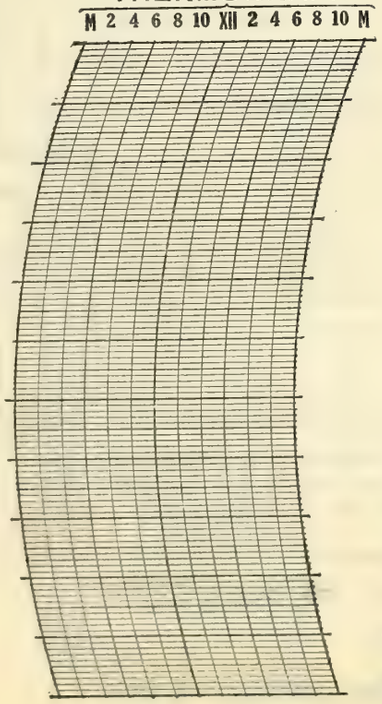
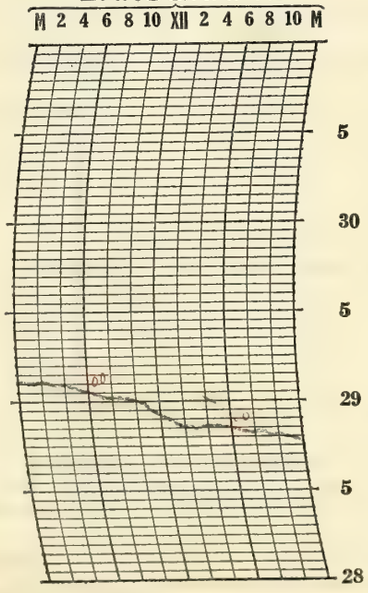


BAROGRAPH.



Prepared by L. C. S.

Verified by R. E. L.

8—486

NOTES

a cloudy day. 7 drizzling conditions from from 3:40 P.M. the rest of the day.

x Hourly amounts estimated

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., *(Day of week)* _____, *(Date)* _____, *193*

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour																								
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions																								
	Sunrise: Time, Character, Moonrise:																				Sunset: Time, Character, Moonset:			
Sunshine (in tenths of hours)																								
Wind direction																								
Wind movement																								
Maximum velocities (exceeding 24 miles) direction and time																								

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.

Total depth of snow for 24 hours ending _____ p. m., _____ inches.
Snow, sleet, and hail on ground _____ p. m., _____ inches.
Total snowfall, midnight to midnight, _____ inches.
Precipitation to _____ a. m., _____ ins.; to _____ p. m., _____ ins.
Total precipitation, midnight to midnight, _____ inches.
Character of day, _____ Moon phase, _____
Average daily cloudiness (0-10), _____
Actual sunshine, hours, _____ Possible sunshine, hours, _____
Per cent of possible sunshine, _____
Prevailing wind direction, _____ Total wind, _____
Average hourly velocity, _____ Extreme velocity, _____
Maximum velocity, _____ Direction, _____
Time began, _____ _____
Reduced barometer, _____ a. m. _____ p. m.
River gage, _____ feet
Relative humidity, _____ a. m. _____ p. m.

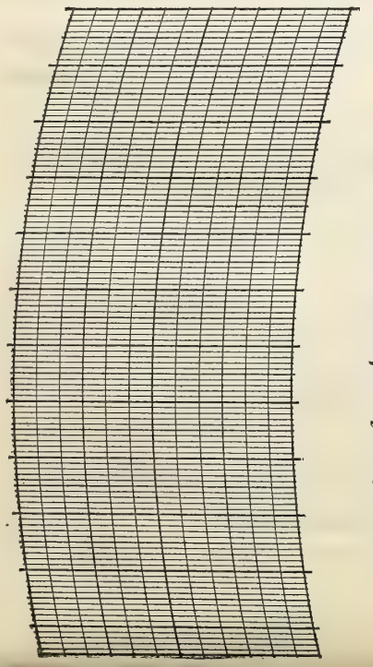
	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below.													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, _____ Wet temperature, _____
Dew-point, _____ R. humidity, _____ V. pressure, _____
Clouds: Amount, _____; Kind, _____; Direction, _____
Velocity of clouds (miles per hour) _____

THERMOGRAPH

M 2 4 6 8 10 XII 2 4 6 8 10 M



THERMOGRAPH

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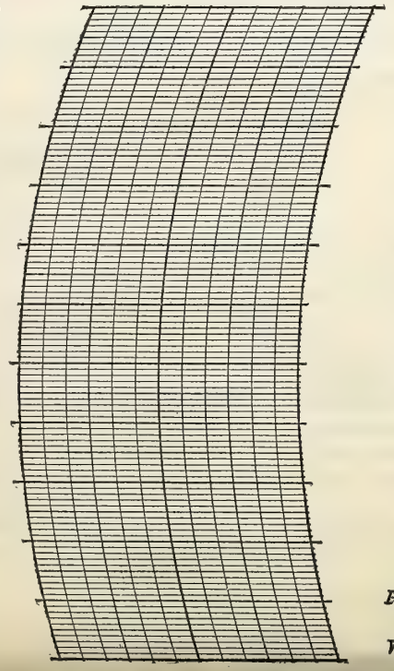
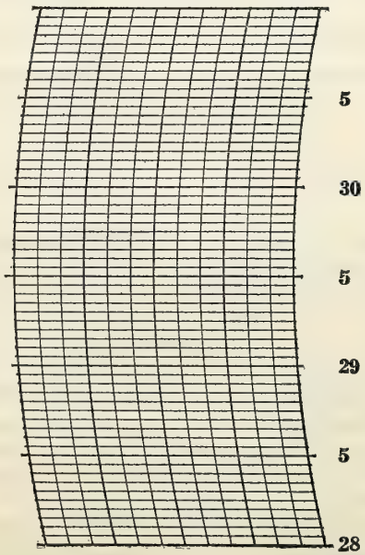


BAROGRAPH.

M 2 4 6 8 10 XII 2 4 6 8 10 M



Prepared by _____

Verified by _____

8—186

NOTES

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) Fort Wayne, Ind., (*Day of week*) _____, (*Date*) _____, 193

Time (local standard) 90 mer. normal time.	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour																								
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions																								
	Sunrise: Time, Character, Moonrise:																				Sunset: Time, Character, Moonset:			
Sunshine (in tenths of hours)																								
Wind direction																								
Wind movement																								
Maximum velocities (exceeding 24 miles) direction and time																								

Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below.													
From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.

Total depth of snow for 24 hours ending _____ p. m., _____ inches.

Snow, sleet, and hail on ground _____ p. m., _____ inches.

Total snowfall, midnight to midnight, _____ inches.

Precipitation to _____ a. m., _____ ins.; to _____ p. m., _____ ins.

Total precipitation, midnight to midnight, _____ inches.

Character of day, _____ Moon phase, _____

Average daily cloudiness (0-10), _____

Actual sunshine, hours, _____ Possible sunshine, hours, _____

Per cent of possible sunshine, _____

Prevailing wind direction, _____ Total wind, _____

Average hourly velocity, _____ Extreme velocity, _____

Maximum velocity, _____ Direction, _____

Time began, _____ _____

Reduced barometer, _____ a. m. _____ p. m

River gage, _____ feet

Relative humidity, _____ a. m. _____ p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

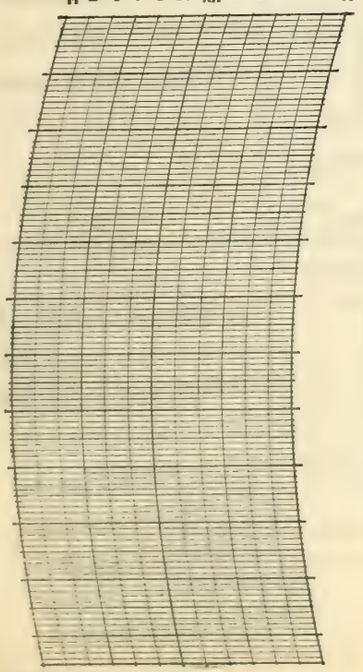
Dry temperature, _____ Wet temperature, _____

Dew-point, _____ R. humidity, _____ V. pressure, _____

Clouds: Amount, _____; Kind, _____; Direction, _____

Velocity of clouds (miles per hour) _____

THERMOGRAPH



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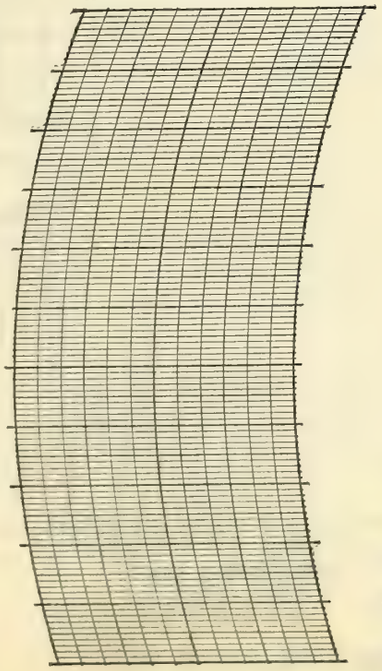

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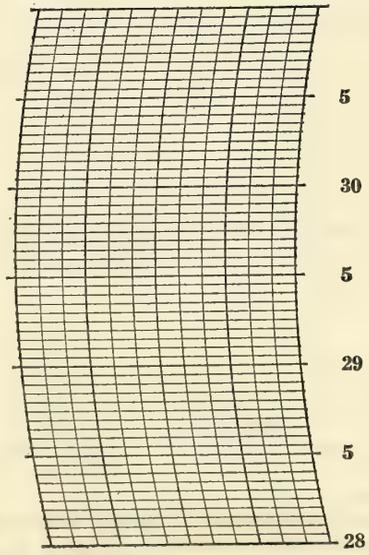

Prepared by _____

Verified by _____

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NOTES

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., *(Day of week)* _____, *(Date)* _____, *193*

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour																								
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions																								
	Sunrise: Time, Character,																				Sunset: Time, Character,			
	Moonrise:																				Moonset:			
Sunshine (in tenths of hours)																								
Wind direction																								
Wind movement																								
Maximum velocities (exceeding 24 miles) direction and time																								

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.

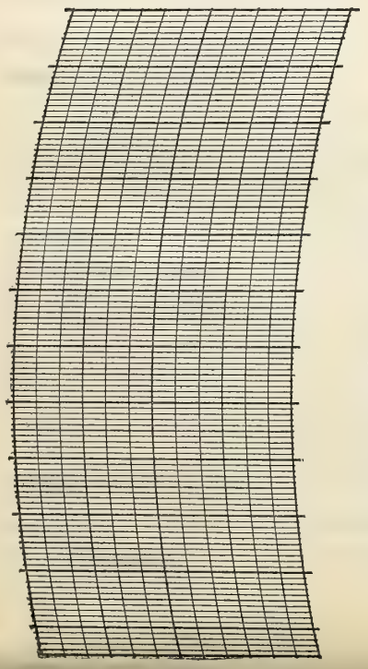
Total depth of snow for 24 hours ending _____ p. m., _____ inches.
Snow, sleet, and hail on ground _____ p. m., _____ inches.
Total snowfall, midnight to midnight, _____ inches.
Precipitation to _____ a. m., _____ ins.; to _____ p. m., _____ ins.
Total precipitation, midnight to midnight, _____ inches.
Character of day, _____ Moon phase, _____
Average daily cloudiness (0-10), _____
Actual sunshine, hours, _____ Possible sunshine, hours, _____
Per cent of possible sunshine, _____
Prevailing wind direction, _____ Total wind, _____
Average hourly velocity, _____ Extreme velocity, _____
Maximum velocity, _____ Direction, _____
Time began, _____ _____
Reduced barometer, _____ a. m. _____ p. m.
River gage, _____ feet
Relative humidity, _____ a. m. _____ p. m.

	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below.													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, _____ Wet temperature, _____
Dew-point, _____ R. humidity, _____ V. pressure, _____
Clouds: Amount, _____; Kind, _____; Direction, _____
Velocity of clouds (miles per hour) _____

THERMOGRAPH



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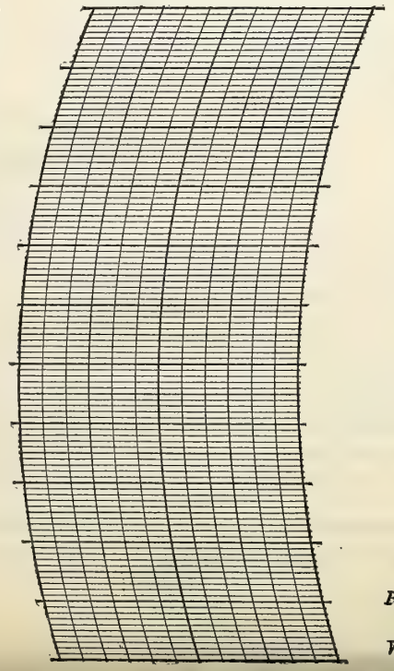

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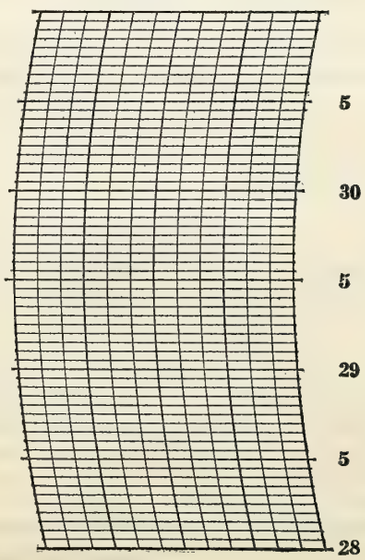

Prepared by _____

Verified by _____

8—486

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Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) Fort Wayne, Ind., (*Day of week*) ....., (*Date*) ....., 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour																								
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions																								
	Sunrise: Time, Character, ... Moonrise:																				Sunset: Time, Character, ... Moonset:			
Sunshine (in tenths of hours)																								
Wind direction																								
Wind movement																								
Maximum velocities (exceeding 24 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.

Total depth of snow for 24 hours ending ..... p. m., ... inches.

Snow, sleet, and hail on ground ..... p. m., ... inches.

Total snowfall, midnight to midnight, ... inches.

Precipitation to ..... a. m., ... ins.; to ..... p. m., ... ins.

Total precipitation, midnight to midnight, ... inches.

Character of day, ... Moon phase, ...

Average daily cloudiness (0-10), ...

Actual sunshine, hours, ... Possible sunshine, hours, ...

Per cent of possible sunshine, ...

Prevailing wind direction, ... Total wind, ...

Average hourly velocity, ... Extreme velocity, ...

Maximum velocity, ... Direction, ...

Time began, ...

Reduced barometer, ... a. m. ..... p. m

River gage, ... feet

Relative humidity, ... a. m. ..... p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, ... Wet temperature, ...

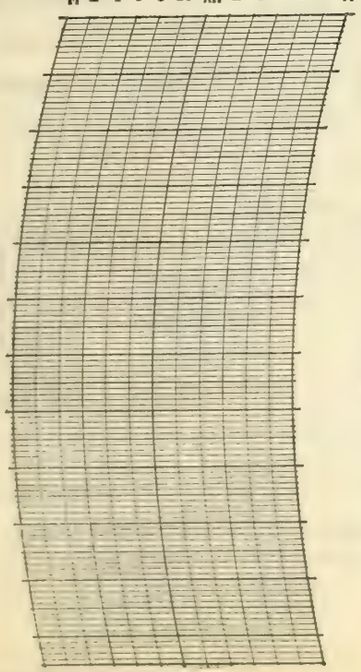
Dew-point, ... R. humidity, ... V. pressure, ...

Clouds: Amount, ...; Kind, ...; Direction, ...

Velocity of clouds (miles per hour) .....

THERMOGRAPH

M 2 4 6 8 10 XII 2 4 6 8 10 M



THERMOGRAPH

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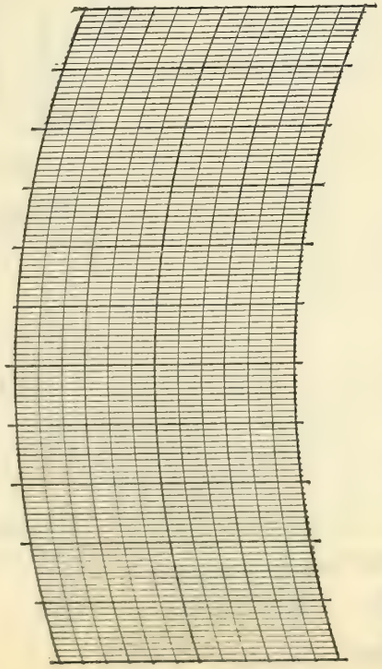
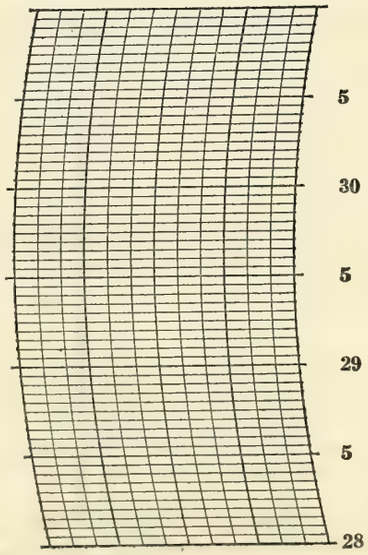


BAROGRAPH.

M 2 4 6 8 10 XII 2 4 6 8 10 M



Prepared by .....

Verified by .....

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) Fort Wayne, Ind., (*Day of week*) _____, (*Date*) _____, 193

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour																								
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions																								
	Sunrise: Time, Character, Moonrise:																				Sunset: Time, Character, Moonset:			
Sunshine (in tenths of hours)																								
Wind direction																								
Wind movement																								
Maximum velocities (exceeding 24 miles) direction and time																								

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.

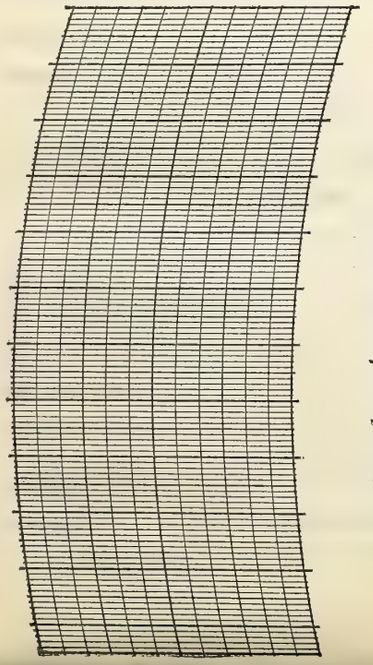
Total depth of snow for 24 hours ending _____ p. m., _____ inches.
Snow, sleet, and hail on ground _____ p. m., _____ inches.
Total snowfall, midnight to midnight, _____ inches.
Precipitation to _____ a. m., _____ ins.; to _____ p. m., _____ ins.
Total precipitation, midnight to midnight, _____ inches.
Character of day, _____ Moon phase, _____
Average daily cloudiness (0-10), _____
Actual sunshine, hours, _____ Possible sunshine, hours, _____
Per cent of possible sunshine, _____
Prevailing wind direction, _____ Total wind, _____
Average hourly velocity, _____ Extreme velocity, _____
Maximum velocity, _____ Direction, _____
Time began, _____ _____
Reduced barometer, _____ a. m. _____ p. m.
River gage, _____ feet
Relative humidity, _____ a. m. _____ p. m.

	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below.													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, _____ Wet temperature, _____
Dew-point, _____ R. humidity, _____ V. pressure, _____
Clouds: Amount, _____; Kind, _____; Direction, _____
Velocity of clouds (miles per hour) _____

THERMOGRAPH



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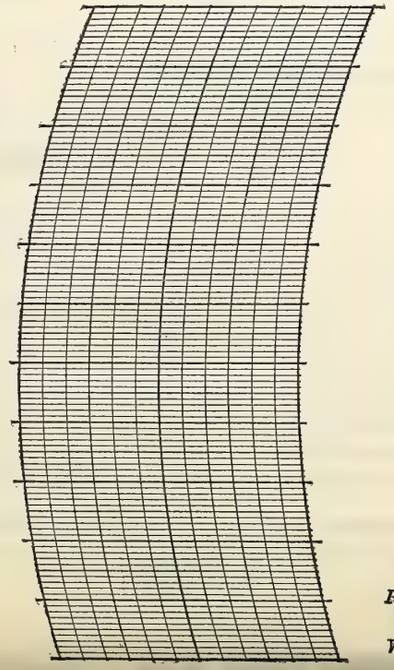

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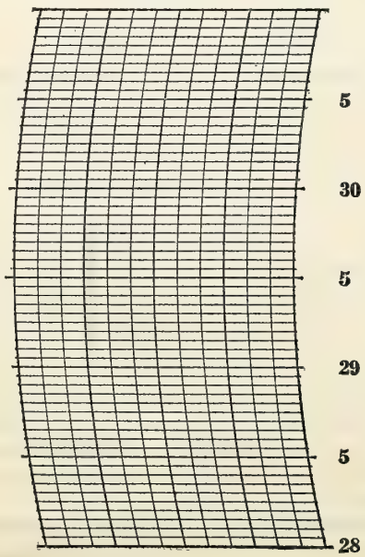

Prepared by _____

Verified by _____

S—486

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) Fort Wayne, Ind., (*Day of week*) _____, (*Date*) _____, 193

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	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour																								
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions																								
	Sunrise: Time, Character, Moonrise:																				Sunset: Time, Character, Moonset:			
Sunshine (in tenths of hours)																								
Wind direction																								
Wind movement																								
Maximum velocities (exceeding 24 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.

Total depth of snow for 24 hours ending _____ p. m., _____ inches.

Snow, sleet, and hail on ground _____ p. m., _____ inches.

Total snowfall, midnight to midnight, _____ inches.

Precipitation to _____ a. m., _____ ins.; to _____ p. m., _____ ins.

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Character of day, _____ Moon phase, _____

Average daily cloudiness (0-10), _____

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Per cent of possible sunshine, _____

Prevailing wind direction, _____ Total wind, _____

Average hourly velocity, _____ Extreme velocity, _____

Maximum velocity, _____ Direction, _____

Time began, _____ _____

Reduced barometer, _____ a. m. _____ p. m.

River gage, _____

Relative humidity, _____ a. m. _____ p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, _____ Wet temperature, _____

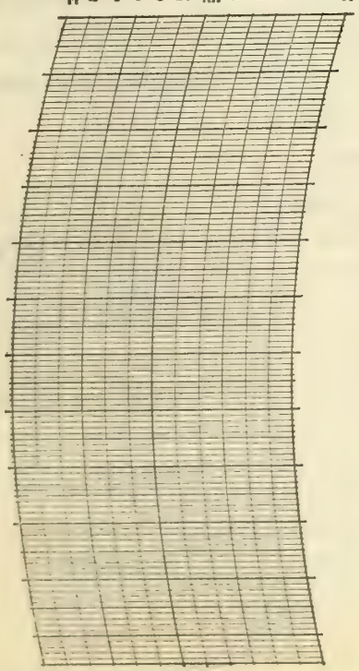
Dew-point, _____ R. humidity, _____ V. pressure, _____

Clouds: Amount, _____; Kind, _____; Direction, _____

Velocity of clouds (miles per hour) _____

THERMOGRAPH

M 2 4 6 8 10 XII 2 4 6 8 10 M



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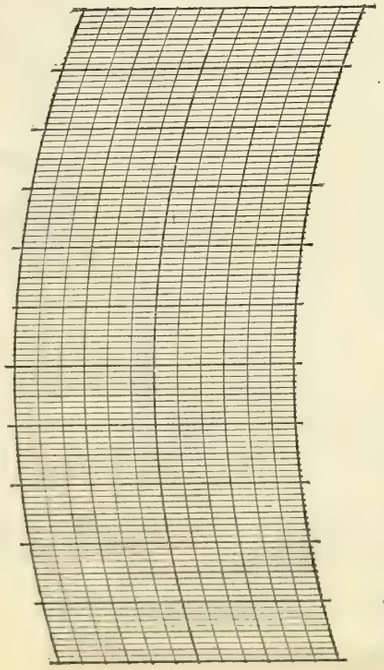

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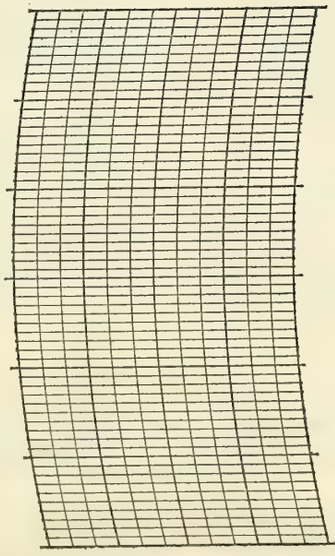

Prepared by _____

Verified by _____

8—486

NOTES

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) *Fort Wayne, Ind.*, (*Day of week*) _____, (*Date*) _____, *193*

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour																								
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions																								
	Sunrise: Time, Character, Moonrise:																				Sunset: Time, Character, Moonset:			
Sunshine (in tenths of hours)																								
Wind direction																								
Wind movement																								
Maximum velocities (exceeding 24 miles) direction and time																								

Maximum Temperature.	Minimum temperature.	Mean temperature.	Normal temperature.

Total depth of snow for 24 hours ending _____ p. m., _____ inches.

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Character of day, _____ Moon phase, _____

Average daily cloudiness (0-10), _____

Actual sunshine, hours, _____ Possible sunshine, hours, _____

Per cent of possible sunshine, _____

Prevailing wind direction, _____ Total wind, _____

Average hourly velocity, _____ Extreme velocity, _____

Maximum velocity, _____ Direction, _____

Time began, _____ _____

Reduced barometer, _____ a. m. _____ p. m.

River gage, _____ feet

Relative humidity, _____ a. m. _____ p. m.

	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

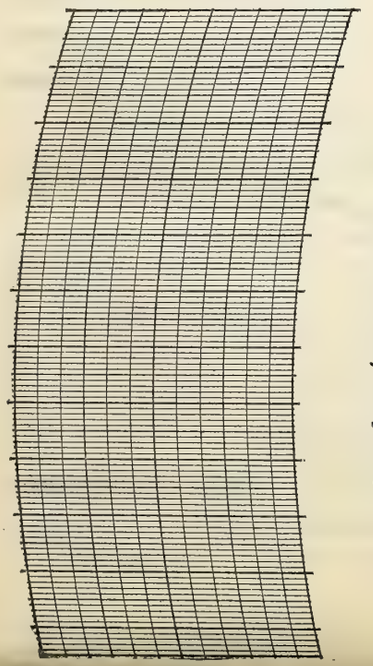
Dry temperature, _____ Wet temperature, _____

Dew-point, _____ R. humidity, _____ V. pressure, _____

Clouds: Amount, _____; Kind, _____; Direction, _____

Velocity of clouds (miles per hour) _____

THERMOGRAPH



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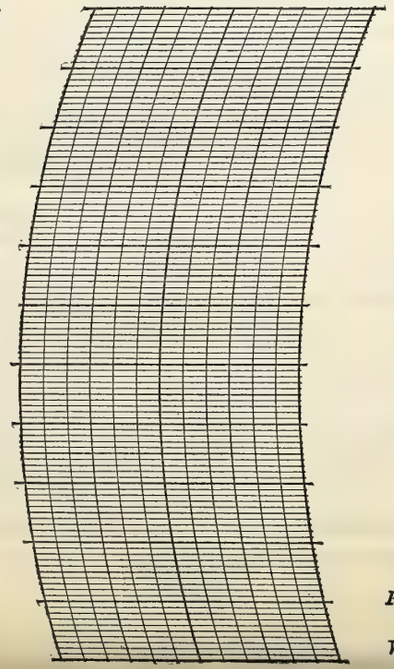

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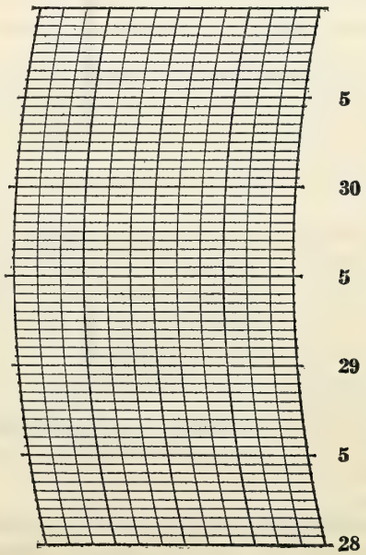

Prepared by _____

Verified by _____

NOTES

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INDEX, DAILY LOCAL RECORD, 193

SUBJECTS.	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.	NOVEMBER.	DECEMBER.
Auroras												
Clouds, special formation												
Cold waves									30	25, 28		
Dew, heavy deposits of									7, 11, 28, 29,	9, 10, 16	21,	12
Droughts												
Earthquakes									20			
Fires, forest										21, 31		19, 21, 29, 31
Fog, light	5, 17, 18, 23	7, 17, 18, 19, 26,	12, 13		9				16	6, 10, 13, 14, 15	11, 14, 16, 17	4, 9, 10, 13, 18, 28, 29
Fog, dense	5	7, 17, 26	12							14,	11, 16	4, 9, 19, 21, 22
Floods, other than in rivers												
Frosts, light				23	4, 21					17, 19, 26	14,	
Heavy				6, ,30	24					18	5, 6	
Killing				4, 7, 28						18		
First killing after July 15										18		
Last killing before July 15				26								
Last heavy before July 15					24							
First heavy after July 15										18		
Hail, *See* Precipitation												
Ice—Glaze												8, 9
Lightning, damage by						4	1, 5					
Deaths by							5					
Meteors												
Navigation, opening												
Closing												
Impeded												
Observations, not taken												
Taken late												
Special	30		7			23			25	29		3, 7, 14
Optical phenomena, haze												
Coronæ												
Halo, lunar		28	31	26				31	28	24, 25	15, 21,	16, 22
Solar				7								
Parhelia												
Parselenæ												
Rainbows												
Sunrise, peculiar												
Sunset, peculiar							21		7			
Zodiacal light												
Precipitation, rain, heavy						29	1, 5	1	25	8		
Excessive						29	1, 5	1				

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ENTER DATES, NOT PAGES.

INDEX, DAILY LOCAL RECORD, 193

SUBJECTS.	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.	NOVEMBER.	DECEMBER.
Precipitation—Continued.												
Sleet	1, 6, 11, 12, 13, 14, 18, 19, 20, 21, 28, 29, 31	7, 10, 11, 13, 14, 16, 19, 20	7 1, 3, 4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19, 28, 29.	1, 2, 22, 26, 27								30
Snow, light			7		16						5, 27	5, 6, 14, 24, 25
Heavy												
Hail												
Wet periods												
Rivers, rapid rise												
Flood stages												
Low-water stages, unusual												
High water, periods of												
Frozen												
Floating débris												
Gorges												
Running ice												
Warnings. *See* Warnings												
Smoke, light												
Dense				16, 17, 19, 20		19, 20, 25, 26,	17, 18, 19, 28, 30	8,	16, 21,	23	23	
Temperature, unusually high				12, 13, 14, 15,	27, 28, 29.	27, 28, 30	1, 2, 14, 15, 16.	2, 4, 5, 6, 7,	8, 9, 10, 11, 12,	4, 5		11
Unusually low												
Sudden rise												
Sudden fall												
Periods of high				12-17, 19-20	27-29	19-20, 25-28	1-2, 14-19, 28-30	4-8	8-12	4-5		
Periods of low						3, 4, 6, 14, 21,	21, 30	27, 28, 30, 31				
Thunderstorms					16	22, 23, 28, 29.	1, 2, 5, 19, 20.	1, 2, 3, 8, 9, 18, 20	4, 14, 23, 25	4, 5, 6, 7, 8		
Tornadoes												
Warnings, advisory												
Cold wave												
Emergency												
Frost				22, 23, 26, 27, 29.	21, 23, 2, 3, 19, 20					17, 25	1, 4, 5	
Hurricane												
Rapid rise in river												
Flood												
Winds, 22 to 32 miles per hour	5, 6, 14, 19, 20, 25, 29	3, 13	7, 8, 9, 10, 24, 26, 28	1, 9, 20, 22, 26, 28	24. 2, 18, 19, 23	8, 20, 22	1, 21, 19.	2, 8, 11, 28, 29,	22, 26, 27. 1, 5, 14, 20,	27 4, 11, 16, 25,	5, 9, 15, 17, 24, 20	31 6, 7, 11, 24, 25,
33 miles per hour, or over	30			26		6						
Hurricanes												

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